

Report of Examination Routing Slip

File No. G.2-28893 / ~~MA~~ G:\Marie\Reports\ Pol 28893

Letter No./Fee 2 / \$20

	<u>Initial</u>	<u>Date</u>
Author	<u>mr</u>	<u>1-5-98</u>
✓ Hydrogeologist	<u>se</u>	<u>3/17/98</u>
Reviewers	<u>VC</u>	<u>2/12/98</u>
	<u>Ⓟ</u>	<u>2/19/98</u>
Proofed	<u>mr</u>	<u>5-6-98</u>
Signed by Author	<u>mr</u>	<u>6-3-98</u>
Section Supervisors Approval and Sig.	<u></u>	<u></u>
Tracking	<u></u>	<u></u>

Mail Copies of Report To: (Permit Writer list - include addresses)

Enclosure: (list)

Mailed Originals and cc's TH 7/10/98

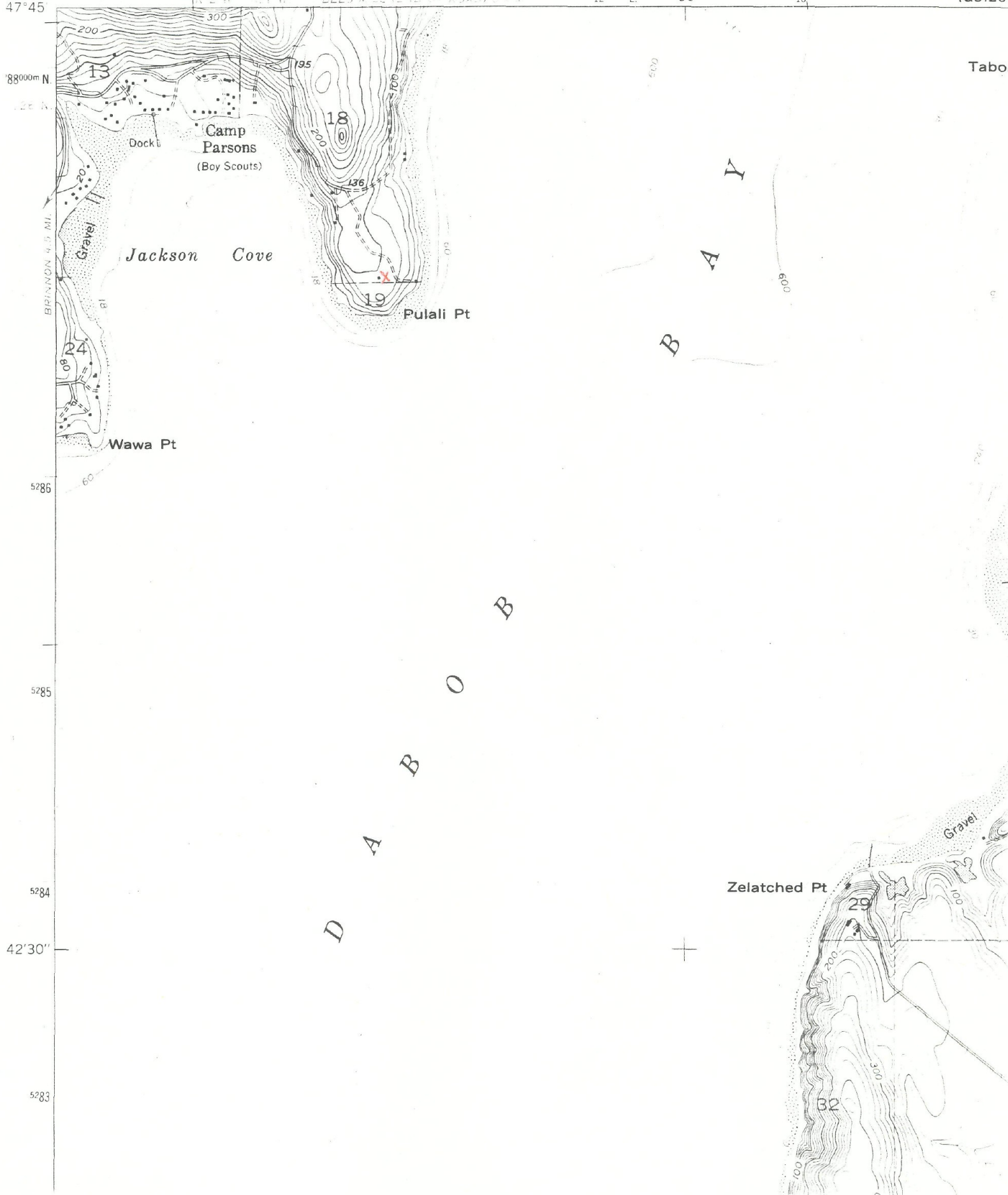
$$s_{\alpha}(\rho)$$

R 2 W E 1 W BEES KILL (END OF ROAD) 09 A

512 000 m E.

50

513

1479 1
(QUILC

Date: 3/16/98

To: Marie Peter

From: Tom Culhane 

RE: Review of Pulali Point water right application file G2-28893

Upon your request, I have reviewed the above referenced application for water supply for 10 homes. The subject well is 183 feet deep, and produced a static water level 40 feet BMP on June 15, 1990. The well is completed in basalt for the lower 175 feet, and is cased with steel for the upper 20 feet. The lower 183 feet of the well is cased with PVC, the lowest 38 feet of which has been perforated with 3/8-inch holes.

Based on information in the file, the subject well appears to be located about 500 feet from the Puget Sound, with a wellhead elevation about 90 feet above MSL. With a total well depth of 183 feet, this indicates the well is completed about 93 feet below sealevel. As such, the well is susceptible to seawater intrusion, dependent on fractures in the bedrock, and the communication between these and the Puget Sound

The file contains laboratory analyses for water samples collected 11/7/90 and 2/23/94. The former was for water collected from Pulali Point, while the latter does not indicate the source. The 11/7/90 sample does not include an analysis for chloride, while the 2/23/94 sample contained less than 20 mg/l of chloride. Based on similarities in analyses for other constituents (sodium, turbidity, etc.), it appears likely that the 2/23/94 sample was collected from the Pulali Point well. This suggests that the subject well produced water with a chloride concentration less than 20 mg/l.

Dion and Sumioka (USGS WSB 32, 1984) indicate that well 26/1W-18M1, less than one half mile away, produced water with chloride concentrations of 6.9 mg/l on 8/14/68 and 9.6 mg/l on 6/21/78. In a "Preliminary Assessment of Seawater Intrusion in Coastal Water Wells in Eastern Clallam and Eastern Jefferson Counties" (CH2M Hill, 1993), well 26/2W-13H (AAB-797), approximately three quarters of a mile away, produced 1,700 mg/l on 6/16/93. A review of Walters (USGS WSB 32, 1971) and our Ground Water Data Base yielded no additional chloride information for wells within 1 mile.

A 10-hour pump test was performed 11/6/91, with the rate gradually decreasing from 33 gpm to 29 gpm. The SWL was 22.9 feet BMP at the start of pumping, and 146.5 feet BMP at the conclusion. The well achieved stabilization (defined as less than 0.1 feet of drawdown per hour) about seven hours into the test. A worksheet contained in the file indicates that the pump intake is set 155 feet BGS, and this suggests only 8.5 feet of available head were available at the cessation of pumping. Based on a pump rate of 30 gpm and an assumed pumping requirement of 8,000 gpd (10 homes at 800 gpd), the well could produce the required amount of water during 4.4 hours of pumping.

Based on previous measurements, the well's static water level is significantly above sealevel (about 50 to 61 feet). During the test, however, the well's pumping water level

dropped considerable below sealevel (about 56.5 feet). This again suggests there is a real possibility that this well might experience seawater intrusion.

Conclusions

Based on the subject well's proximity to the coast and its completion below sealevel, it is susceptible to seawater intrusion. Although neighboring well 26/2W-13H produced water with 1,700 mg/l of chloride on 6/16/93, that well is three-quarters of a mile distant and cross-gradient to the subject well, thus pumping of one should not effect the other.

The existing chloride information on the subject well is not entirely reliable, but does suggest that seawater intrusion may not be a problem at this time. A field visit should be made to sample the well water for chloride analysis, possibly using a HACH kit. Even if the water does currently have low chloride concentrations, this could change over time; thus monitoring per our current chloride proviso should be a requirement of any permit issued. Along those lines, it would also have been useful (though not absolutely necessary), to determine whether the subject well is tidally influenced. If the well's static water level varies in response to changing tides, this would indicate that the well is rather susceptible to seawater intrusion.

Sufficient water was produced during the 10-hour pump test to supply approximately 22 homes, based on a requirement of 800 gpd per home. The test was not entirely conclusive, however, as the rate during the pumping test steadily decreased from 33 to 29 gpm, and the pumping water level at the conclusion approached that of the pump intake. Still, assuming a reasonable pump rate of 30 gpm, the well is capable of producing 8,000 gpd in 4.4 hours, and this suggests it is easily capable of producing water for 10 homes.

COUNTY _____

WRIA _____

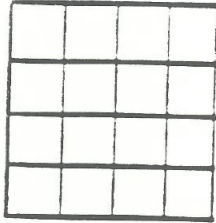
WATER RIGHT APPLICATION FIELD EXAMINATION CHECK LIST

G2-28893
APPLICATION NO. _____

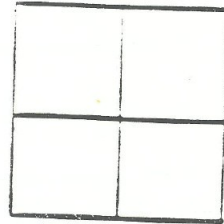
State / Pulali Point
APPLICANT _____

POD LOCATION:

(SECTION)



($\frac{1}{2}$, $\frac{1}{2}$)



PROJECT STATUS:

☐ Proposed

☐ Existing and In Use

☐ Partially Constructed

☐ Expansion of Existing System

DESCRIPTION OF WATER DELIVERY SYSTEM: _____

Pump: (Type) _____ (H.P.) _____ (Capacity) _____

System Pressure: _____

PROPOSED USE(S):

Roger Mikelbust (206) 654-2220

☐ Industrial

☐ Municipal

☐ Domestic

☐ Irrigation

☐ Stockwater

☐ Fish Propagation

☐ Beautification

☐ Recreation

☐ Wildlife Refuge

☐ Power Generation

☐ Other

on Osprey Rd. off Pulali Point Road

USE DETAILS:

* Key to gate on back of hinge post (master lock - longest)
well house key is under a big rock at base of guy wire of electric pole 10' from well house
OK to turn breakers on for power

Crop Type _____ Use Season _____

Acreage: (Present) _____ (Planned) _____ (Feasible) _____

Number of Services _____ (Type) _____

Estimated Population of _____ for the year _____

COMMENTS: Pulali Pt Rd off Bee Mill Rd

12/30/97 primitive road led to gated (locked) access

mostly undeveloped ^{wooded} lots -- a few existing homes/cabins in area

road + well site estimated ~ 100' ft above MSL

(did not get to well because of gate)

forested / access to north light residential use

state shellfish lab nearby (at end of Bee Mill Rd)

accessed well house -- well ^{doesn't} functional access port (corroded pipe coming out of top)

obtained water sample and tested for Cl⁻ with HACH kit 4/17/98 a.m.

Cl⁻ estimated to be ~ 15 mg/L -- consistent w/ lab results of 20 mg/L

observed ^{old capped} well next to lighthouse on bluff (within 10' of water) -- not in use / not tagged
R USB 56 report

looks like
1 home and
1 trailer
currently
these lots

sample
- high
- 10 min

4/16/98
MP, JV

OTHER USES FROM THIS SOURCE: _____

OTHER WATER RIGHTS ☐ APPURTENANT TO THIS LAND OR ☐ FROM THIS STREAM: _____

PROXIMITY TO EXISTING WELLS, SPRINGS, STREAMS, ETC.: _____

FLOW ☐ MEASUREMENT OR ☐ ESTIMATE _____ (CFS or GPM)

FAMILY FARM: ☐ Yes ☐ No

Date Waiver Sent to Applicant: _____

Date Signed Waiver Received: _____

FISHERIES COMMENTS: _____

WILDLIFE COMMENTS: _____

PROTEST PERIOD EXPIRES: _____ PROTESTED: ☐ Yes ☐ No

COMMENTS REGARDING PROTEST: _____

RESEARCH CHECKLIST

☐ Instream Resources Protection Program ☐ Surface Water Source Limitations

☐ Closure ☐ Low Flow _____ CFS

☐ Metsker ☐ Well Logs ☐ Waste Discharge

☐ Computer Printouts ☐ Claims Registry ☐ Copy to DSHS

SEPA: ☐ Exempt ☐ DNS ☐ Final EIS Date of SEPA Action: _____

Examiner: _____

Date of Exam: _____

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 37618

Water Right Permit No.

(1) OWNER: Name Tulia Point Property Partners Address 23513 Timber Lane Edmonds WA

(2) LOCATION OF WELL: County JEFFERSON SE 1/4 SW 1/4 Sec 18 T18N, R14W, W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) BEE MILL RD BRINNON WA

(3) PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐
☐ Irrigation ☐ Test Well ☐ Other ☐
☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one)
Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 183 feet. Depth of completed well 183 ft.

(6) CONSTRUCTION DETAILS: 2' ABOVE
Casing installed: 6 Diam. from 20.5" ft. to 20.5" ft.
Welded ☒ 4 1/2" PVC Diam. from 12 ft. to 183 ft.
Liner installed ☐
Threaded ☐ Diam. from _____ ft. to _____ ft.

Perforations: Yes ☒ No ☐
Type of perforator used ELECT. DRILL
SIZE of perforations 3/8 in. by Round
42 perforations from 145 ft. to 183 ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☐ No ☒
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes ☐ No ☒ Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 40 ft. below top of well Date 6-15-90
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airstest 30 gal./min. with stem set at 178 ft. for 1 hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
TOP SOIL	0	2
BROWN TILL	2	8
FRACTURED BLACK BASALT	8	23
BROWN - MEDIUM TO HARD	23	35
BROWN MED. IN HARDNESS	35	60
DARK BLUE HARD BASALT	60	88
BROWN - HARD	88	92
DARK BLUE HARD	92	168
HARD DARK BLUE, FRACTURED	168	173
HARD DARK BLUE BASALT	173	183

Work started 6-11-90, 1990 completed 6-15-90

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME STOICAN DRILLING Co, Inc
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address Sequim WA 98366

(Signed) Steve Aurdal License No. 1359
(WELL DRILLER)

Contractor's Registration No. _____ Date 6-18-90

STOIC DC137NR
(USE ADDITIONAL SHEETS IF NECESSARY)

CANAL PUMPS & SERVICE, INC.
683-50 HWY 101 W., SEQUIM, WA 98282
683-6328 3-4220

NAME: Bill Walker
ADDRESS: Pulali Point Rd.
CITY & STATE:

RE: Pump Test
Well Depth: 185'
Static Level: 22' 11"

DATE: November 6, 1990

<u>TIME</u>	<u>DRAWDOWN</u>	<u>G.P.M.</u>
10:00 AM	22' 11"	33
10:05 AM	52' 3.75"	33
10:09 AM	67' 7.5"	33
10:11 AM	67' 11.5"	33
10:18 AM	68' 5.5"	33
10:25 AM	69' 0"	33
10:35 AM	71' .5"	33
10:45 AM	73' 1.75"	32.5
10:53 AM	73' 11.75"	32.5
11:05 AM	75' .5"	32.5
11:13 AM	76' 1.75"	31
11:20 AM	84' 6"	31
11:35 AM	92' 10.5"	30
11:50 AM	97' 2.5"	30
12:10 PM	104' 5.25"	30
12:30 PM	109' 5"	30
12:50 PM	113' 10"	30
1:10 PM	117' 8.25"	30
1:30 PM	120' 9"	30
1:50 PM	123' 0"	30
2:10 PM	125' 2"	30
2:30 PM	129' 10.13"	29
2:55 PM	133' 6"	29
3:20 PM	140' .13"	29
3:50 PM	143' 9.5"	29
4:20 PM	145' 9.25"	29
4:50 PM	146' 2"	29
5:10 PM	146' 5.75"	29
5:30 PM	146' 5.75"	29
5:45 PM	146' 5.75"	29
6:00 PM	146' 5.75"	29
6:30 PM	146' 5.75"	29
7:00 PM	146' 5.75"	29
7:30 PM	146' 5.75"	29
8:00 PM	146' 5.75"	29
END OF PUMP TEST		
RECOVERY		
8:05 PM	121' 2.25"	

Laucks^{Since 1908}

Testing Laboratories, Inc.

940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX (206) 767-5063

Chemistry, Microbiology, and Technical Services

REPORT ON SAMPLE: 9402814-01

Client Sample ID: Water Sample - Well

Date Received : 02/24/94 Collection Date : 02/23/94

Test	MCL		Results	Units
Antimony	0.006	<	0.0050	mg/L
Arsenic	0.05	<	0.010	mg/L
Barium	2.0	<	0.1	mg/L
Beryllium	0.004	<	0.0020	mg/L
Cadmium	0.005	<	0.0020	mg/L
Chromium	0.1	<	0.01	mg/L
Copper	1.0*	<	0.02	mg/L
Iron	0.3		2.90	mg/L
Lead	0.05*		0.005	mg/L
Manganese	0.05		0.050	mg/L ←
Mercury	0.002		0.0005	mg/L
Nickel	0.1	<	0.040	mg/L
Selenium	0.05	<	0.005	mg/L
Silver	0.1	<	0.010	mg/L
Sodium			21	mg/L
Thallium	0.002	<	0.001	mg/L
Zinc	5.0	<	0.05	mg/L
Hardness			62	mg/L, as CaCO ₃
Conductivity	700		210	Micromhos/cm, 25°C
Turbidity	1.0		4.5	NTU
Color	15.0		25.0	Color Units
Chloride	250	<	20	mg/L
Cyanide	0.2	<	0.100	mg/L
Fluoride	2.0	<	0.5	mg/L
Nitrate	10.0	<	0.5	mg/L
Nitrite	1.0	<	0.5	mg/L
Sulfate	250	<	10	mg/L

RECEIVED

APR 20 1994

JEFF. COUNTY
HEALTH DEPT.

MCL = Maximum Contamination Level established for drinking water under current EPA and State of Washington regulations. No MCL has been established for hardness or sodium, although 20 mg/L is a recommended MCL for sodium.

* = This is the Washington State MCL. Federal action levels are 0.015 mg/L for lead and 1.3 mg/L for copper.



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LAB. NUMBER 20-01108	DATE RECEIVED 11/18/90	DATE COLLECTED 11.07.90	COLLECTOR: Canal Pumps	
SYSTEM I.D. NO.		Telephone: 206-683-6328	SYSTEM CLASS (circle one)	
SYSTEM NAME Pulelie Point		1 2 3 4		COUNTY Jefferson

FEEs ARE CHARGED FOR CHEMICAL TESTING
A fee schedule is available from this department.

PARTY TO PAY FOR FEE FOR SERVICE TESTING

____ CHLORINATED ____ WATER SOFTENER: TYPE USED

REMARKS: (Water quality problems, address for additional copies, etc.)

Signature (Required)

(Print Full Name & Address)

Canal Pumps + Service

1550 Hwy 101 W
Street

Seguin WA. 98382

Telephone: (206)
Area Code

LABORATORY REPORT

(DO NOT WRITE BELOW THIS LINE)

DATE OF FINAL REPORT:
11-15-90

LABORATORY SUPERVISOR
(Name or Initials)

(Name or Initials)

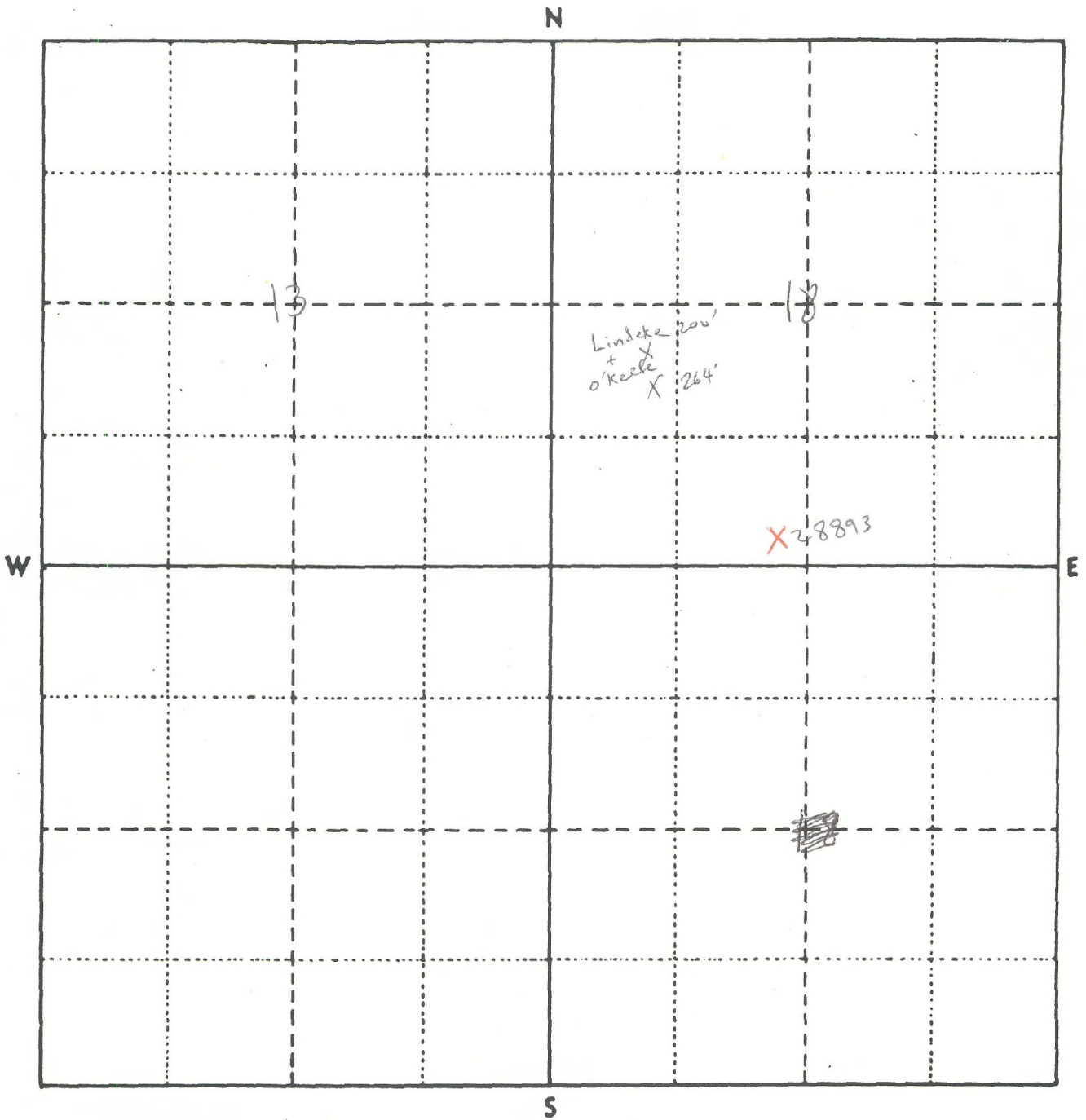
John V. ...

CHARGE:

REMARKS:

SECTION PLAT

Sec. 18 Twp. 26 N. R. 1



1. Outline property described in application.
2. Show by a cross (X) the location of point of diversion (surface water source) or point of withdrawal (ground water source). For ground water applications, show by a circle (O) the locations of other wells or works within a quarter of a mile.
3. Indicate traveling directions from nearest town.

Scale: 1 inch = 800 feet (each small square = 10 acres)

17 well reports on Sect. 18

130'-well on Pilot Point had CL of 6.9 and 9.6 mg/L (50' elev)

2/1/68 6/1/68

145' deep CL 170

AAB 797 Camp Parsons T26N R2W Sect 13H at head of Jackson Cove

LURENZEN, MARVIN	133455	G	16	WELL	1970	15	26	02	W	JEFF	D	S	I	S
NELSON, ROBERT F.	079873	G	16	WELL	1942	15	26	02	W	JEFF	D			I
RUDELT, JOYCE M.	161404	G	16			15	26	02	W		D	S	I	S
SALLEE, DONALD H.	164778	G	16			15	26	02	W		D	I	O	S
SATHER, GEORGE M.	050580	G		DRILLED WELL	000000	1958	15	26	02	W		D	I	I
SATHER, GEORGE M.	050581	G		WELL	000000	1972	15	26	02	W		D	I	I
SPRINGER, CHARLES F.	161929	G		WELLS			15	26	02	W	JEFF	D	S	I
SPRINGS, FRED	081869	G	16	WELL	1895	15	26	02	W	JEFF	D			L
SWANSON, ELNER H.	134691	S	16	STREAM			15	26	02	W	JEFF	D	I	S
THALE, DOROTHY E.	045215	G	16				15	26	02	W	JEFF	D		S
THOMAS, ARCHIE C.	033428	G	16	WELL	1964	15	26	02	W	JEFF	D			L
THOMPSON, MELVIN F.	060247	G	16				15	26	02	W	JEFF	D		S
LILLY, W H JR	144857	S	16	CREEK			23	26	03	W	JEFF	D		S
HARTGEMAN, JAMES F.	150309	S	16	WILSON CREEK			24	26	03	W	JEFF	D		S
SALLEE, DONALD H.	164776	S	16	DOSEWALLIPS RVR			24	26	03	W	JEFF	D	I	O
SALLEE, DONALD H.	164792	G	16				24	26	03	W	JEFF	D	I	O
RUDEEN, RALPH H.	126538	S	16	SPRING	1968	25	26	03	W	JEFF	D			S
MCCANN, PAUL J.	039987	G	16				15	26	03	W	JEFF	D		S
HAZARD, MARGARET W.	076670	G	17				03	25	01	W	JEFF	D		S
HOUGHTON, FREDRICK R.	003739	S	17		000003	1950	03	25	01	W	JEFF	D	S	I
LINDSEY JR., HUGH M.	058691	G	17				03	25	01	W	JEFF	D		S
LINDSEY JR., HUGH M.	058689	G	17				03	25	01	W	JEFF	D		S
LINDSEY JR., HUGH M.	058690	G	17				03	25	01	W	JEFF	D		S
BERGSON, JOHN	055333	G	17	WELL	1950	04	25	01	W	JEFF	D	S	I	I
CUNNINGHAM, JACK A.	011148	G	17			1971	04	25	01	W	JEFF	D		L
DAVIS, LESLIE N.	114527	G	17	WELL	1966	04	25	01	W	JEFF	D			L
DE VERE, KENNETH	157944	G	17	WELL	000001		04	25	01	W	JEFF	D	I	
HOUGHTON, FREDRICK R.	003740	G	17		1965	04	25	01	W	JEFF	D			L
JOHNSON, MORRIS	135637	G	17				04	25	01	W	JEFF	D	I	S
JONES, RONALD D.	056318	G	17				04	25	01	W	JEFF	D		S
KOCHEVAR, ERNEST	054016	S	17	SPRING			04	25	01	W	JEFF	D		S
HADISON, HENRY	049853	S	17	SPRING			04	25	01	W	JEFF	D		S
HEROD, RONALD D.	025992	S	17				02	25	02	W	JEFF	D		O
ARNDT, EMIL	065934	S	17	SPRING	1957	17	25	02	W	JEFF	D			L
EASTER, MARJORIE B.	096268	G	17	SPRINGS	000001		03	26	01	W	JEFF	D	I	L
MAHONEY, CARL	144895	G	17				03	26	01	W	JEFF	D		L
MONTGOMERY, ROBERT R.	096264	S	17	STREAM	000020	1973	03	26	01	W	JEFF	D	I	L
MONTGOMERY, WILLIAM W.	159578	S	17	SPRINGS	000010	1958	03	26	01	W	JEFF	D	I	L
BRER, HOWARD W.	066149	G	17				07	26	01	W	JEFF	D		S
CONNOLLY, BEVERLY J.	083462	G	17	WELL	1957	07	26	01	W	JEFF	D			L
DUESING, WILLIAM G.	017194	S	17		000001	1912	07	26	01	W	JEFF	D	I	O
GORSLINE, JEREMIAH	162266	G	17	WELL	1929	07	26	01	W	JEFF	D			L
GORSLINE, JEREMIAH	162265	S	17	SPRING			07	26	01	W	JEFF	D		L
GORSLINE, JERRY	134938	G	17	WELL			07	26	01	W	JEFF	D	I	S
GORSLINE, JERRY	134937	G	17	WELL			07	26	01	W	JEFF	D	I	S
GOSLINE, JERRY	134832	S	17	CREEK			07	26	01	W	JEFF	D	I	S
JANSSEN, AL	046399	G	17				07	26	01	W	JEFF	D		S
LINDSAY, GEORGE E.	148148	G	17	WELL	1959	07	26	01	W	JEFF	D			I
NELSON, C. V.	011707	G	17			1966	07	26	01	W	JEFF	D		I
NELSON, C. V.	011708	S	17		000010	1916	07	26	01	W	JEFF	D	S	I

08/12/97	STATE OF WASHINGTON										PAGE 1209 105				
WCRPTD30	DEPARTMENT OF ECOLOGY														
WATER RIGHTS CLAIM REGISTER															
BY WATER AND LOCATION															
NAME	REG NO	SRC	WRTM	SOURCE	ACRES	YEAR	SEC	TWN	RNG	CNTY	PURPOSE	ST	FORM	ADJ	CHG
											D S I O				CODE CERT
D'SHEA, ROBERT T	100345	G	17	WELL		1920	07	26	01	W	JEFF	D			L
D SHEA, ROBERT T	100346	G	17	WELL		1920	07	26	01	W	JEFF	D			L
D SHEA, ROBERT T	100347	G	17	WELL		1920	07	26	01	W	JEFF	D			L
STEWART, ROBERT F.	075050	G	17				07	26	01	W	JEFF	D	0		S
STEWART, ROBERT F.	075051	S	17	SPRING			07	26	01	W	JEFF	D	0		S
FULTON, MARY C	157520	S	17	SPRINGS	000002	1940	09	26	01	W	JEFF	D	I		L
LYON, JOHN H.	101544	S	17	SPRING			09	26	01	W	JEFF	D	I		S
STRONG, ROBERT C	144623	S	17	SPRINGS		1942	09	26	01	W	JEFF	D			L
LIEURANCE, DORIS J.	017885	G	17			1972	10	26	01	W	JEFF	D			L
HILLS, JOHN D.	046620	S	17	UNNAMED SPRING			10	26	01	W	JEFF	D			S
NOLLKAMPER, JAMES L.	030139	G	17			1973	10	26	01	W	JEFF	D			L
ROGERS, MYRON P.	012160	G	17			1971	10	26	01	W	JEFF	D			L
SHEPPARD JR., ROBERT L.	084499	G	17	WELL		1971	10	26	01	W	JEFF	D			L
JEFFERSON CO HATE DIST 3	094058	S	17	SPRING		1886	13	26	01	W	JEFF	D			L
THOMAS, JOHN G.	002439	S	17			1918	16	26	01	W	JEFF	D			L
WISHAAR, DONALD P	093845	S	17	SPRING			16	26	01	W	JEFF	D			L
WISHAAR, DONALD P	093844	S	17	SPRING	000005	1912	16	26	01	W	JEFF	D	I		L
DUNHAM, GEORGE H.	006928	G	17			1970	18	26	01	W	JEFF	D			L
HEARST, JOHN F.	035717	G	17				18	26	01	W	JEFF	D			S
HUNTER, GAYLORD	016214	G	17			1972	18	26	01	W	JEFF	D			L
JONES, PEDERSON, SIBLEY,	018207	G	17			1946	18	26	01	W	JEFF	D			L
LINDEKE, FRANK	043660	G	17				18	26	01	W	JEFF	D			S
MC NERNEY, THOMAS C	154688	G	17				18	26	01	W	JEFF	D	I		S
MCGUIRE, MELVIN D.	033340	G	17				18	26	01	W	JEFF	D			S
PARKS, EARL G.	020739	G	17			1960	18	26	01	W	JEFF	D			L
PHILLIPS, BETTIE	004955	G	17			1970	18	26	01	W	JEFF	D			L
SALLEE, DONALD H	164790	G	17				18	26	01	W	JEFF	D	0		S
SALLEE, DONALD H	164779	S	17				18	26	01	W	JEFF	D	0		S
SALLEE, DONALD H	164781	S	17				18	26	01	W	JEFF	D	0		S
SALLEE, DONALD H	164780	S	17				18	26	01	W	JEFF	D	0		S
SALLEE, DONALD H	164788	G	17				18	26	01	W	JEFF	D	0		S
SALLEE, DONALD H	164789	G	17				18	26	01	W	JEFF	D	0		S
SCRUGGS, MARK C.	006704	G	17			1964	18	26	01	W	JEFF	D			L
TOFTS, WALTON & MC NELLY	153861	S	17	STREAM			21	26	01	W	JEFF	D			S
CASO, MORENO C	161448	G	17				22	26	01	W	JEFF	D	I		S
CASO, MORENO C	161442	S	17	SPRING			22	26	01	W	JEFF	D	I		S
CASO, MORENO C	161445	S	17	SPRING			22	26	01	W	JEFF	D	I		S
CASO, MORENO C	161451	G	17				22	26	01	W	JEFF	D	I		S
HOPKINS, FREDERICK J	171193	S	17	STREAM			22	26	01	W	JEFF	D			S
CHARDLE, KENNAN D	044423	G	17	WELL	000001	1964	25	26	01	W	JEFF	D			I
CODD, PAUL J.	027646	G	17			1973	27	26	01	W	JEFF	D			L
HUNT, EARL B	089463	G	17				27	26	01	W	JEFF	D			S
SCHECHERT, MARTIN	146094	S	17	SPRING			27	26	01	W	JEFF	D	I		S
SCHECHERT, MARTIN	146095	S	17	SPRING		1938	27	26	01	W	JEFF	D			L
SCRANTON, RAYMOND W	091348	G	17	WELL		1969	27	26	01	W	JEFF	D			L
EWEL, JAMES P.	066699	S	17	CREEK		1919	28	26	01	W	JEFF	D			L
MCKEE, GILBERT H.	075099	G	17				28	26	01	W	JEFF	D			S
MCKEE, GILBERT H.	075100	G	17				28	26	01	W	JEFF	D			S
MOOT, GERALD F.	074305	G	17				28	26	01	W	JEFF	D			S
CASO, MORENO C	161446	S	17	SPRING			33	26	01	W	JEFF	D	I		S
CASO, MORENO C	161447	G	17				33	26	01	W	JEFF	D	I		S

RECORDED WATER RIGHTS OF THE DEPARTMENT OF ECOLOGY REGION 2										PAGE 2008		REPORT DATE 8/12/97				
CONTROL #	SEC #	OLD APPL	OLD PERM	OLD CERT	DATE OF PRIORITY	S C A T C M	CNTY	PERMIT DATE	NAME	SOURCE OF APPROPRIATION TRIBUTARY OF						
WDF R	PTS P	LOC. OF	POD/POW	(CHG CB)	PURPOSE OF USE		USE TYPE	INST Q1	C R S M U U	ANNUAL QA	C R S M U U	IRR AC	C S PRO- M U VISOS	TIME OF USE	R R R I A C	
WATER RESOURCE INVENTORY AREA- 17																
TOWNSHIP - 26 RANGE - 01 W																
1	NW4SW4				DOMESTIC SINGLE		C	14.0 G		.5				R		
S2+03097C	14	03097	01692	00505	08/19/930		JEFF	04/25/931	LONG EDWARD		UNN CR				HOOD CANAL	
1	SE4NW4				DOMESTIC SINGLE		C	.1 C								
G2-28893A	18				07/07/993		JEFF	/ /	SACKS JAY		WELL					
1	SE4SW4				DOMESTIC MULTIPLE		C	34.7 G								
S2+14955C	21	14955	11216	09577	08/01/958		JEFF	02/19/959	TUFTS/WALTON/MCNEL		UNN STR			S	DABOB BAY	
1	S2 S2				DOMESTIC MULTIPLE		C	.04 C								
S2+04160P	25	04160	02433		09/27/935	C	JEFF	07/29/937	STEVENS C H		STEVENS CR					
1	SE4NE4NE4				DOMESTIC SINGLE		C	.75 C 2								
					IRRIGATION		C	.75 C 2				77.0			04011001	
G2-24606A	27				06/16/977	R	JEFF	/ /	GO-DONNA BCH WTR SY WELL							
1	N2SW4				DOMESTIC MULTIPLE		C	126.0 G								
G2-26229P	27				09/22/982		JEFF	01/25/983	SCHECHERT MARTIN		WELL					
1	NE4SW4				DOMESTIC MULTIPLE		C	25.0 G		14.8				RHS		
S2+06180P	27	06180	04164		09/28/944	C	JEFF	08/06/945	HANLON HERBERT H		UNN STR				HOOD CANAL	
1	L-4				DOMESTIC SINGLE		C	.01 C						H		
					FISH PROPAGATION		N	.09 C						H		
S2+00739C	28	00739	00306	01192	04/24/922		JEFF	04/07/923	HALFFMAN H E ET UX		UNN SPR				HOOD CANAL	
1	L3				DOMESTIC SINGLE		C	.02 C								
S2-01043C	28	22514	16664		09/01/970		JEFF	10/06/971	PARKINS ALICE ET A		UNN STR				DABOB BAY	
1	GL-3				DOMESTIC MULTIPLE		C	.03 C		2.0	S			STM		
S2-21313C	28				08/02/973		JEFF	08/02/974	BRYANT ARNOLD L		UNN SPR					
1	NW4SE4				DOMESTIC SINGLE		C	.005 C		.25						
S2-22374P	28				05/02/974	C	JEFF	/ /	AXELSON RICHARD S		UNN STR			S	DABOB BAY	
1	GOVT LOT3				DOMESTIC SINGLE		C	.01 C		1.0						
S2-24427C	28				02/16/977		JEFF	02/17/978	DONALDSON JACK R		UNN SPR				DABOB BAY	
1	NW4SE4				DOMESTIC SINGLE		C	.01 C		.25				S		
G2-28334P	32				10/31/991		JEFF	06/20/994	GRANDY RICHARD J		WELL					
1	NE4NE4				DOMESTIC SINGLE		C	20.0 G 2		.34				RM		
					IRRIGATION		C	20.0 G 2		4.0		2.0		RM	05011031	
G2-01109C	33	11379	10483		11/16/970		JEFF	10/29/971	THOUSAND TRLS INC		WELL					
1	NW4SW4SW4SW4				DOMESTIC MULTIPLE		C	100.0 G		41.0				RHT		

08

RECORDED WATER RIGHTS OF THE DEPARTMENT OF ECOLOGY REGION 2										PAGE 2009		REPORT DATE 8/12/97			
CONTROL #	SEC #	OLD APPL	OLD PERM	OLD CERT	DATE OF PRIORITY	S C A T C M	CNTY	PERMIT DATE	NAME	SOURCE OF APPROPRIATION TRIBUTARY OF					
WDF R	PTS P	LOC.	OF	POD/POW	(CHG CB)	PURPOSE OF USE	USE TYPE	INST Q1	C R S M U U	ANNUAL QA	C R S M U U	IRR AC	C S PRO- M U VISOS	TIME OF USE	R R R I A C
WATER RESOURCE INVENTORY AREA- 17															
TOWNSHIP - 26 RANGE - 01 W															
G2-22785C	33				07/09/974	DOMESTIC MULTIPLE	C	JEFF 04/23/976	JEFFERSON CO WTR W WELL						RY
1	NE4SE4					DOMESTIC MULTIPLE	C	143.0 G		126.0					
G2-22498C	34				05/27/974	DOMESTIC SINGLE IRRIGATION	C	JEFF 04/11/975	JOHNSON HELEN C	WELL					
1	GL 3					DOMESTIC SINGLE IRRIGATION	C	30.0 G 2		.5				R	
						IRRIGATION	C	30.0 G 2		4.0		2.0		R	04011001
G2-28570P	34				07/31/992	DOMESTIC MULTIPLE	C	JEFF 06/07/994	JEFFERSON CO PRKS	WELL					RHS
1	SW4SE4					DOMESTIC MULTIPLE	C	32.0 G		12.56					
G2-28953C	34				10/29/993	DOMESTIC SINGLE IRRIGATION	C	JEFF 06/20/994	WHITNEY WILLIAM E	WELL					
1	S2NW4NE4					DOMESTIC SINGLE IRRIGATION	C	18.0 G 2		.34			0	\$RM	0 0 0
						IRRIGATION	C	18.0 G 2 0		6.0	0 5	3.0		\$RM	05011031 0 0 0
S2+05564P	34	05564	03444		08/25/941	DOMESTIC SINGLE IRRIGATION	C	JEFF 12/08/941	EATON HARRY F	UNN STR					HOOD CANAL
1	L-2					DOMESTIC SINGLE IRRIGATION	C	.03 C 2						M	
						IRRIGATION	C	.03 C 2						M	
S2+13245C	34	13245	09972	07282	01/06/933	DOMESTIC MULTIPLE	C	JEFF 06/30/933	EATON H F	UNN STR					HOOD CANAL
1	GL2					DOMESTIC MULTIPLE	C	.035 C							
G2+16846A	34	16846			08/15/961	DOMESTIC MULTIPLE	C	JEFF / /	CUNNINGHAM PAT	UNN SPR					
1	N/A					DOMESTIC MULTIPLE	C								
S2-22786C	34				05/13/974	DOMESTIC SINGLE	C	JEFF 04/11/975	WHITNEY WILLIAM E	UNN SPR					HOOD CANAL
1	NW4NE4					DOMESTIC SINGLE	C	.02 C		.5				SZ	
S2-28535C	34				06/29/992	DOMESTIC SINGLE IRRIGATION	C	JEFF 06/20/994	WHITNEY JR W E	UNN SPR					HOOD CANAL
1	S2NW4NE4					DOMESTIC SINGLE IRRIGATION	C	.04 C 2		.34				\$M	
						IRRIGATION	C	.04 C 2		6.0		3.0		\$M	05011031
S2-28912C	34				07/22/993	DOMESTIC SINGLE	C	JEFF 06/20/994	ROGERS JANET	UNN SPR					HOOD CANAL
1	SW4NE4					DOMESTIC SINGLE	C	.01 C		.5				M	
S2+15689P	35	15689	11835		09/15/959	DOMESTIC SINGLE IRRIGATION	C	JEFF 07/15/960	MORCA LEE E ET UX	UNN SPR					HOOD CANAL
1	GL-1					DOMESTIC SINGLE IRRIGATION	C	.01 C						M	
						IRRIGATION	C	.05 C		10.0		5.0		M	04151001



RECEIVED

98 JAN -6 10:34

George A. Hartman, Architect

3215 E Mercer Seattle WA 98112 - (206) 322-3445 Fax (206) 328-3568

January 5, 1998

MARY PETERS
Department of Ecology
P.O. 47775
Olympia, WA 98504-7775

Dear Ms. Peters:

Enclosed is the material you requested. I received an updated bacteriological test from Clark Land office today but if you need a more detailed information you may want to contact the previous engineer Karl Johnson at 360-753-2452.

I am also enclosing a site plan for Pulali Partners future eight residences. As I told you nothing has been built so far so the water consumption for the next year or two will be near zero. As the water rights are a long range proposition it is likely that the homes will become all year-round residences.

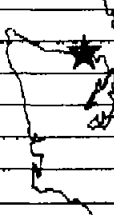
In addition to our own water needs we would like to be able to supply water from our well to the neighbors on adjacent properties: the Parks property Tax 1 and Tax 8, and Theo.Pos property Tax 1, for additional 6 or 7 year-round residences. Some of the owners have not been able to find any water, and other properties have shallow wells that tend to run dry.

Please call me if you need any clarification.

Sincerely,

A handwritten signature in dark ink, appearing to read 'George A. Hartman'.

George A. Hartman


		CLARK LAND OFFICE
ENGINEERING		P.O. Box 2199, 935 N 5TH AVE.
LAND SURVEYING		SEQUIM, WA 98382
DEVELOPMENT CONSULTING		(360) 681-2161, Fax (360) 683-5310

FAX TRANSMITTAL

Date: January 5, 1998

To: Mr. George Harriman
Pulali Point Partners

FAX No: 206-328-3568

From: Dave Hanna 
Principal Engineer

RE: Pulali Point Water system

No. of pages including cover sheet: 2

Hard copy to follow: Yes ☐ No ☒

Good morning Mr. Harriman:

I have reviewed our file on this project and located the bacteriological test report from the tests we performed at the time of project close-out. A copy is transmitted herewith.

Since our firm was not involved during the design phase of this project, we don't have copies of reports of any testing performed at that time. We do have a copy of a letter from Mr. Karl Johnson, PE, of the Washington Department of Health, dated March 23, 1995, which letter notes a higher than normal iron content. This information about iron content could only have been obtained from a chemical analysis, which would normally have been performed during the early stages of the design process. You may be able to get a copy of that test report by contacting Karl Johnson's office at 360-753-2452

Please call if you have any questions.

SPACE COLLECTION: READ INSTRUCTIONS ON BACK OF GOLDEN COPY
If instructions are not followed, sample will be rejected

DATE COLLECTED 7/17/97	TIME COLLECTED NOON <input type="checkbox"/> AM <input type="checkbox"/> PM	COUNTY NAME Jefferson								
TYPE OF SYSTEM <input checked="" type="checkbox"/> PUBLIC <input type="checkbox"/> INDIVIDUAL (resides only 1 residence)	IF PUBLIC SYSTEM, COMPLETE: I.D. No. <table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>									CIRCLE GROUP A <input type="checkbox"/> B <input checked="" type="checkbox"/>
NAME OF SYSTEM Pulali Point Water System										
SPECIFIC LOCATION WHERE SAMPLE COLLECTED Pump house		TELEPHONE NO. DAY (360) 681-2161 EVENING ()								
SAMPLE COLLECTED BY: (Name) M. Hill		SYSTEM OWNER/MGR.: (Name) Pulali Partners								
SOURCE TYPE <input type="checkbox"/> SURFACE <input type="checkbox"/> WELL or WELL FIELD <input type="checkbox"/> SPRING <input type="checkbox"/> PURCHASED or INTERMITTENT <input type="checkbox"/> COMBINATION or OTHER <input type="checkbox"/> GROUND WATER UNDER SURFACE INFLUENCE										
SEND REPORT TO: (Print Full Name, Address and Zip Code) Clark Land Office P.O. Box 2199 Sedro Blaine, WA 98282										

TYPE OF SAMPLE (check only one in this column)	
<input type="checkbox"/> ROUTINE DRINKING WATER (check treatment) <input type="checkbox"/> REPEAT SAMPLE (Previous Coliform presence) Lab # Date <input type="checkbox"/> RAW SOURCE WATER Source # <input checked="" type="checkbox"/> NEW CONSTRUCTION or REPAIRS <input type="checkbox"/> OTHER (Specify)	<input type="checkbox"/> Chlorinated (Residual: Total Free) <input type="checkbox"/> Filtered <input type="checkbox"/> Unfiltered or Other <input type="checkbox"/> Total Coliform <input type="checkbox"/> Fecal Coliform

REMARKS:

(LAB USE ONLY) DRINKING WATER RESULTS	
<input type="checkbox"/> UNSATISFACTORY: Coliforms present REPEAT SAMPLES REQUIRED <input type="checkbox"/> E. Coli present <input type="checkbox"/> E. Coli absent <input type="checkbox"/> Fecal present <input type="checkbox"/> Fecal absent	<input checked="" type="checkbox"/> SATISFACTORY: Coliforms absent
OTHER LABORATORY RESULTS	
TOTAL COLIFORM _____ /100 ml	E. COLI _____ /100ml
FECAL COLIFORM _____ /100 ml	PLATE COUNT _____ /ml
ANOTHER SAMPLE REQUIRED	
SAMPLE NOT TESTED BECAUSE: <input type="checkbox"/> Sample too old <input type="checkbox"/> Wrong container <input type="checkbox"/> Incomplete form <input type="checkbox"/>	TEST UNSUITABLE BECAUSE: <input type="checkbox"/> Confident growth <input type="checkbox"/> TNTC <input type="checkbox"/> Turbid culture <input type="checkbox"/> Excess debris

SEE REVERSE SIDE OF GREEN COPY FOR EXPLANATION OF RESULTS

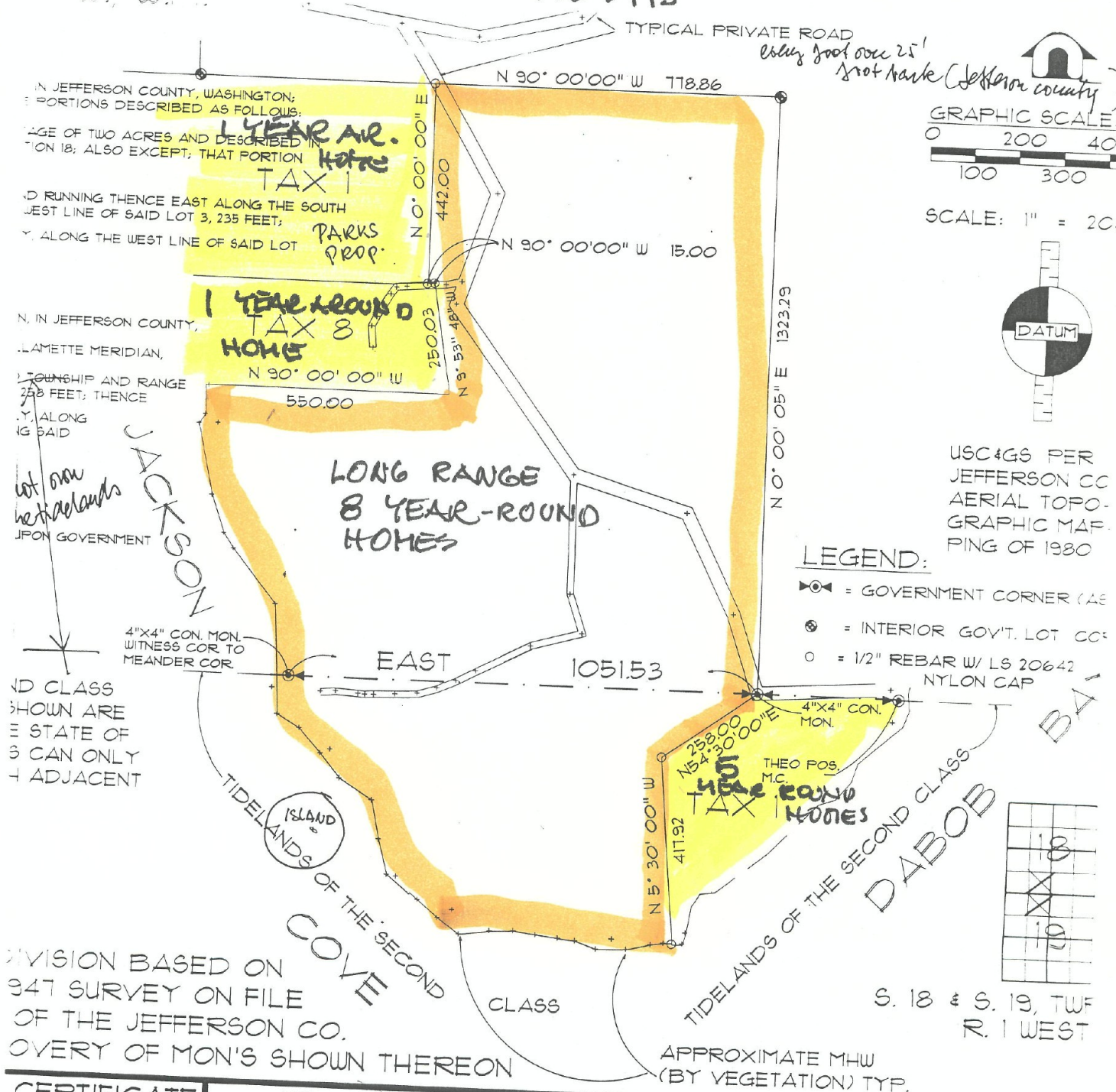
LAB NO. (7 DIGITS) 01016839	DATE, TIME RECEIVED 7/18/97, 11:10	RECEIVED BY
DATE REPORTED 7/24/97	LABORATORY TWISS ANALYTICAL 26200 DLHAYA WAY, SUITE C SEASIDE, WA 98138	

1-5-1998

George A. Hartman, Architect

3215 E Mercer Seattle WA 98112-(206) 322-3445 Fax (206) 328-3568

12-(206) 322-3445 Fox (206) 328-3568 322-3445 328-3568



CERTIFICATE

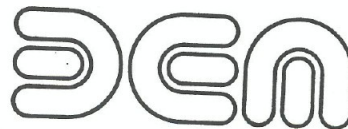
DAY OF _____ OF _____
THE REQUEST
ASSOC'S

RECORD OF SURVEY

PLEASE NOTE: YEAR-AROUND
WATER RIGHTS FOR ^{HOMES}
A LONG RANGE:

PULALI PARTNERS	8
TAX LOT 8	1
TAX LOT 1 (PARKS	1
TAX LOT 1 (THEO POS)	F

TOTAL YEAR ROUND HOMES 15



DAVID EVANS AND ASSOCIATES, INC.
3100 NW BUCKLIN HILL RD. SUITE 105
SILVERDALE, WA. 98383 (206) 698-1661

SHEET 1
SCALE 1"
SURVEYED DA
FIELD BOOK LC
DRAWN WLD
CHECKED AS
FILE WJ

GATP

George A. Hartman, Architect

3215 E Mercer Seattle WA 98112 (206) 322-3445 Fax (206) 328-3555

IN JEFFERSON COUNTY, WASHINGTON;
PORTIONS DESCRIBED AS FOLLOWS:

AGE OF TWO ACRES AND DESCRIBED IN
TION 18; ALSO EXCEPT; THAT PORTION

D RUNNING THENCE EAST ALONG THE SOUTH
WEST LINE OF SAID LOT 3, 235 FEET;

Y. ALONG THE WEST LINE OF SAID LOT

TAX 1

PARKS
PROP.

N. IN JEFFERSON COUNTY,

LAPETTE MERIDIAN,

TOWNSHIP AND RANGE
250 FEET; THENCE

Y. ALONG
G SAID

lot on
the tidelands
UPON GOVERNMENT

TAX 8

N 90° 00' 00" W

550.00

JACKSON

4"x4" CON. MON.
WITNESS COR. TO
MEANDER COR.

ND CLASS
SHOWN ARE
E STATE OF
S CAN ONLY
4 ADJACENT

EAST

1051.53

TIDELANDS OF THE SECOND
COVE

CLASS

TIDELANDS OF THE SECOND CLASS
DABOB

DIVISION BASED ON
347 SURVEY ON FILE
OF THE JEFFERSON CO.
COVERY OF MON'S SHOWN THEREON.

APPROXIMATE MHW
(BY VEGETATION) TYP.

CERTIFICATE

RECORD OF SURVEY

DAY OF _____ OF _____
AT THE REQUEST OF _____
4360C'S

den

DAVID EVANS AND ASSOCIATES, INC.
3100 NW BUCKLIN HILL RD. SUITE 105
SILVERDALE, WA. 98383 (206) 698-1661

SHEET _____
SCALE _____
SURVEYED _____
FIELD BOOK _____
DRAWN _____
CHECKED _____
FILE _____

TYPICAL PRIVATE ROAD

entry foot over 25'
not have Jefferson county

N 90° 00' 00" W 778.86

N 0° 00' 00" E 442.00

N 90° 00' 00" W 15.00

N 9° 53' 48" W 250.03

N 0° 00' 05" E 1323.29

GRAPHIC SCALE
0 200 400
100 300

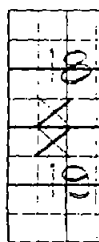
SCALE: 1" = 20'



USC4G6 PER
JEFFERSON C
AERIAL TOPO
GRAPHIC MA
PING OF 1980

LEGEND:

- ◉ = GOVERNMENT CORNER
- = INTERIOR GOV'T. LOT CORNER
- = 1/2" REBAR W/ LS 20642 NYLON CAP



S. 18 & S. 19, T. 1 N., R. 1 W.

new and/or expanding Class 4 Water System Workbook

CHECK LIST NEW, AND/OR EXPANDING CLASS 4 WATER SYSTEMS

- Water Right Permit
- Vicinity Sketch
- Layout Sketch
- Source Location & Protection Sketch
- Source Site Inspection
- Control Area including Restrictive Covenant.....
- Well Log
- ✓ Pump Test
- ✓ Bacteriological Analysis Results
- ✓ Chemical Analyses Results
- Pressure Tank Standards
- Equipment Specifications

STATE OF WASHINGTON
DEPARTMENT OF SOCIAL & HEALTH SERVICES



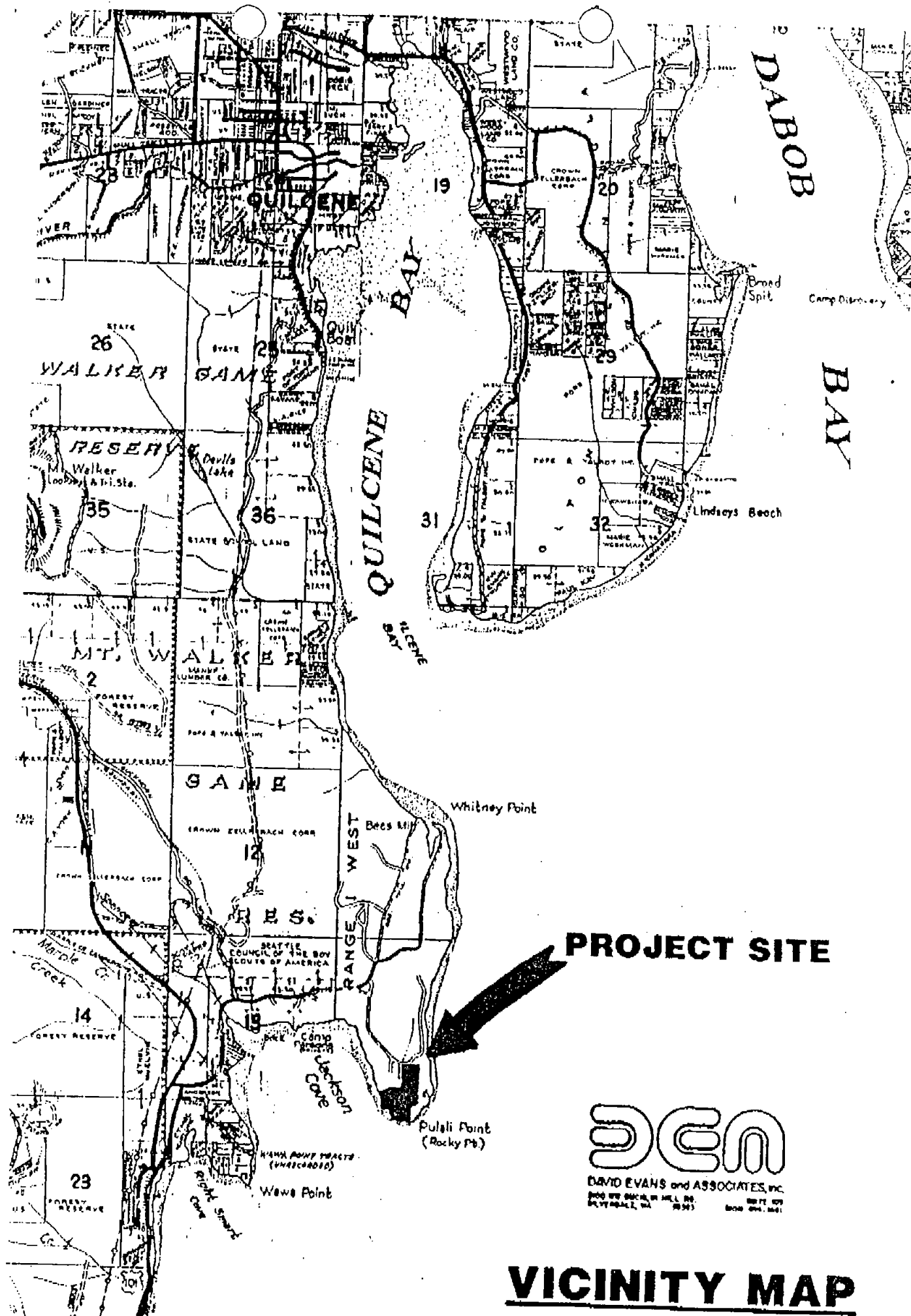
Health Services Division
Water Supply and Waste Section
LD-11
Olympia, WA 98504

Receipt #13752
7-22-93WELL SITE INSPECTION CHECK LIST

Project: Pulali Point Subdivision Received: July 22, 1993
 Location: Pulali Point, Jefferson County Inspected: August 5, 1993
Section 19, Township 26N, Range 1W By: Celia K. Austin
 Owner: Pulali Point Partners Name of any representative or owner
11000 Whitcomb Place present during your inspection:
Woodway, WA 98020 Otto Burden, Olympic Eng
 Submitted by: Olympic Engineering, Otto Burden
Engineer or Land Surveyor

In answering the following, the term well site means all the area within one hundred feet of
 well; the term well means the spot where the well is to be drilled or is already drilled.
 Yes answer means agreement with the statement or question.

	<u>Yes</u>	<u>No</u>
Map provided was accurate, based on your observations at the well site?	<u>✓</u>	<u> </u>
Slope of ground within well site and beyond is not such as to endanger well from possible run-off contamination?	<u>✓</u>	<u> </u>
No evidence of existing sources of contamination within 100 feet of the well?	<u>✓</u>	<u> </u>
If public or private roads pass within 100 feet of well, are they now ditched or otherwise drained in a manner which safely conducts surface run-off away from well?	<u>✓</u>	<u> </u>
If well is an existing well:		
Does ground slope away from immediate vicinity of well?	<u>✓</u>	<u> </u>
Is well adequately sealed and covered?	<u>✓</u>	<u> </u>
Is visible construction in sound condition? (Concrete, piping, electrical, floor slab, building, etc.)	<u> </u>	<u>N/A at this time</u>
Is there a substantial concrete slab poured around the well casing?	<u>✓</u>	<u>N/A at this time</u>
Does casing extend at least 12-inches above slab?	<u>✓</u>	<u> </u>
In your opinion, is the overall well site satisfactory?	<u>✓</u>	<u> </u>



DEA

DAVID EVANS and ASSOCIATES, Inc.
 1000 1ST AVENUE, S.W., 10TH FLOOR
 SEATTLE, WA 98101

VICINITY MAP

N.T.S.

NEW SYSTEMS—Cont.

Section 1. General System Data

- a. System Name: Pulali Point Water Users
- b. System Location: 1/4, 1/4, Section 18 & 19, Township 25 N, Range 1 W, Willamette
USGS 1/4, 1/4 Section Letter Code Designation Meridian
- c. I.D. Number: _____ Age: New Number of Services: 8 (Eight)
- d. Owner: The William Walker Assoc. Manager: Mr. William Walker
- e. Address: 11000 Whitcomb Place Address: (SAME)
Woodway, WA 98020
- f. Telephone: _____ Telephone: _____

NOT DRAWN TO SCALE

(SEE ATTACHED PLAN)

Vicinity Location Sketch:

- g. Is there an adjacent water system: Yes _____ No X
- h. If yes, could it serve you: Yes _____ No X
- i. Name or designation of source

Name or Designation of Source						
Number	NAME	Dug Well	Drilled Well	Spring	Surface Water	Capacity
	N/A					

- j. **System Layout Sketch**—Draw system layout sketch on Page 10 of this workbook or attach applicable design. Include: Distribution lines, pipe lengths and size, materials, age, condition, valves and fittings, appurtenances, and customer services.
- k. **Source Location and Protection Layout**—Draw source location and protection sketch on Page 11 of this workbook and indicate property lines, roads, radius of protection control, and potential sources of contamination relative to the well site. Show spring collection, if applicable.

NEW SYSTEMS

Section 2. Source Development—to be completed for each source. (Appendix 1)

A. General Source Data

I. *Wells

a. Well Logs: Existing Well....., New Well.....X.....
Attached....., Not Available.....

b. If not available, contact your local health agency.

c. Well construction:X..... Satisfactory Unsatisfactory (Appendix 1)

d. If construction is not to standards, list deviations and attach.

II. *Springs (Appendix 4) (N/A for this project)

a. Recharge Area: Defined....., Protected.....

b. Waterbearing Strata: Protected....., Unprotected.....

c. Spring collection according to Appendix 4, figure, or if Appendix 4 is not applicable, sketch actual configuration and attach.

B. *Source Collection Site

a. Site Inspection:X..... Satisfactory Unsatisfactory (Appendix 2—attach report)

b. Protective covenants/easements:X..... Satisfactory Unsatisfactory Unobtainable (Appendix 3)

c. For 100 ft. radiusX....., 200 ft. radius, Other (Define on attached sheet)
When clearly justified these requirements may be reduced or increased by the health officer and lesser or more stringent requirements may be imposed.

d. RecordedX..... Yes, No, Number.....

If the protective covenants/easements are "unobtainable", contact your local health agency regarding a request for variance. "Unobtainable" may be defined by the local health department if a reasonable attempt has been made by the purveyor to secure the restrictive covenants and/or easements.

C. Source Capacity

a. Number of connections8....., Maximum required peak flow34.7..... gpm (Table 1, page 7)

b. Required Daily Production:4.5.....gpm 6,400.....gpd (Table 1, page 7)

c. Source capacity (by pump test, boiler test is unacceptable)29..... gpm 41,000..... gpd
If some other technique is used, include details on an attached sheet.

d. Proposed Pump Rate:25..... gpm 36,000.....gpd

If the proposed pump rate is less than the maximum required peak flow, refer to Section 4, page 5, for the required storage.

*If the response to any portion of these subsections is "unsatisfactory", "undefined", or "unprotected", please contact your local health agency.

NEW SYSTEMS

THE WILLIAM WALKER ASSOC 7780839

P. 10

NEW SYSTEMS—Cont.

D. Pumping Equipment (Appendix 7)

i. Source Pump

- a. Pump rate25.....gpm (Must be no less than Required Daily Production)

Note: Section 6, page 6, "Distribution System Sizing and Headloss" must be completed before filling out the following form.

b. Required Pump Head (Appendix 7)

	WELL	SPRING
Static Head		
(a) Well lift	.....146.5.....ft.	.....ft.
(b) System Elev. Diff.	.....10.0.....ft.	.....ft.
Headlosses	.....8.0.....ft.	.....ft.
Residual (30 psi)	.....70.0.....ft.	.....ft.
TOTAL	235.....ft.	.....ft.
Available Pressure Head	.....N/A.....ft.	.....ft.

Also, use this method if the source pump delivers to a storage tank where repumping is necessary; then a residual of 0 or close to 0 may be considered in pump sizing.

For springs, if the available pressure head exceeds the required pump head, then no pump will be required.

c. Required pump:

Total required Pump Head235.....ft.

Pump Rate25.....gpm

Select pump from pump catalog for235.....head and pump rate of25.....gpm.

Place check valve on pump

d. Selected Pump. (attach pump curve and specifications)

Type.....Submersible....., Manufacturer.....Grundfos..... Model No.....SP-4-19.....

RPM.....3450....., Horsepower.....2.0.....

Pump rate25.....gpm, at a head of240.....ft. giving58.....% efficiency (when available)
(62% is maximum)

e. Depth of pump setting.....155.....ft.....below top of casing

In situations where repumping from a storage tank is necessary, a booster pump must be sized as below.

ii. Booster Pump

N/A

- a. Pump rategpm

b. Required pump head

	WELL	SPRING
System Elev. Diff.	.....ft.	.....ft.
Headlosses	.....ft.	.....ft.
Residual (30 psi)	.....ft.	.....ft.
TOTAL	.....ft.	N/A.....ft.

NEW SYSTEMS

Section 3. Water Quality Data

- a. Water Chemistry: ☒ Satisfactory, ☐ Unsatisfactory
Attach copies of analysis reports
- b. Bacteriological: ☒ Satisfactory, ☐ Unsatisfactory
Attach copies of analysis reports

Additional analysis may be required at the discretion of the local health agency.

Water quality requirements are discussed in detail on page 3. ("Class 4 Water System Design—Requirements, Procedures and Examples")

Section 4. Storage

- a. Required Peak Flow 34.7 gpm = X Section 2(C) page 2
- b. Pump Rate 25 gpm = Y (from Sec. 2 (D), (i), page 3)
If the pump rate is greater than the required peak flow, no storage is needed.
- c. If the pump rate is less than the required peak flow, the needed storage is:
- $$*20 \left(\begin{array}{cc} X & - & Y \end{array} \right)$$
- $$20 \text{ min. (Required Peak Flow — Pump Rate)}$$
- $$20 \text{ min. (} 34.7 - 25 \text{)}$$
- $$20 (9.7) = 194 \text{ gallons}$$

Section 5. Pressure Tank Sizing

- a. Pressure tank will be ASME ☒ equivalent (Attach specifications)
- b. ASME approved relief valve is installed. Yes ☒ No ☐
- c. Pressure tank is for: Pump protection ☐, storage ☐, both ☒
- d. Working storage:

(A) Pump rate 25 gpm. $*2.5 \times \text{pump rate} = 62.5 \text{ gallons}$

(B) Storage requirement (from Section 4) = 194 gallons

When tank is for pump protection, use A above and refer to Table 2, Page 7.

When tank is for storage or both, use larger of A or B above and refer to Table 2, Page 7.

- e. Pressure tank is ☐ horizontal ☒ vertical
- f. Selected tank size 422 gal (See Attached Data By Manufacture)
- g. **Selected Pressure Range 44 / 70
- h. Is air make-up by ☐ sniffer valve, ☐ compressor, ☐ other (specify)

i.

Storage Type	Capacity (gallons)		Repumped	Gravity	Sketch configuration below. Show materials, dimensions, plumbing.
	New	Old			
Elevated Tank					(See Attached)
Ground Level					
Pressure Tank s	422	-			
Other (define)					
.....					
.....					

Design Standards for Public Water Supplies

**Minimum Pressure Tank Setting = System elev. diff. + Friction loss + 70'

NEW SYSTEMS

c. Select pump from catalog for head and well pump rate of gpm.

d. Selected Pump: (attach pump curve and specifications)

Type....., Manufacturer....., Model No.

RPM....., Horsepower.....

Pump rate gpm, at a head of ft., giving % efficiency (if available).

E. Pumphouse (Appendix 5)

a. Pumphouse will conform to Appendix 5, figure.....

b. If Appendix 5 does not apply, sketch pumphouse layout and attach. AttachedX.....yesno

c. Required Pumphouse Components (Appendix 5)

	Satisfactory	Unsatisfactory
Heating		
*Wiring		
Well Casing	X	
Sanitary Well Seal	X	
Pressure Gauge	X	
Casing Vent	X	

Floor Drain			
Pump Mounting			N/A
Flooring	X		
Security	X		
Chlorine Injection Point			N/A
Inspection Port			N/A
Raw Water Sampling Tap	X		

*Approval by building inspector.

d. Optional items included in pumphouse:

	Included	Satisfactory	Unsatisfactory
Pressure Tank		X	
Pump to Waste			
System Alarms			
Sampling Tap		X	

	Included	Satisfactory	Unsatisfactory
110 outlet wired with pump		X	
M/O Equipment			N/A
Meter			N/A
Airlines		X	

A definition of satisfactory and unsatisfactory for all pumphouse components is included in Appendix 5.

September 11, 1997

3215 E. Mercer

Seattle, Washington 98112

RECEIVED

'97 SEP 12 10:47

STAMPED BY: [illegible]
SW REGIONAL OFFICE

VIA FACSIMILE (360-664-8058)

Karl Johnson, P.E.
WSDOH Regional Engineer
Washington Department of Health
Southwest Drinking Water Operations
2411 Pacific Avenue
P.O. Box 47823
Olympia, Washington 98504-7823

Re: Pulali Point Water System, ID #060851, Jefferson County
Approval to Serve Up to Eight Residential Connections

Dear Mr. Johnson:

Thank you for your letter dated September 5, 1997. We appreciate your willingness to approve eight connections to our water system, given the circumstances. This letter responds to your request for additional information regarding those circumstances—particularly the restrictions which will prevent the water system from using more than 5,000 gallons of water per day.

The Pulali Point property (the "Subdivision") constitutes approximately 40 acres of rocky, forested topography on the Hood Canal. Jefferson County has approved our plan to divide the property into a permanent habitat conservation zone of approximately 20 acres, and eight waterfront lots of approximately equal size. The owners voluntarily entered into a Bald Eagle Management Plan with the Washington Department of Wildlife that restricts alteration of the property's habitat. Those restrictions include preservation of the habitat conservation zone, limits upon building clearings to 6,000 square feet for each lot, and other buffer areas that preserve vegetation and trees. An excerpt of the Bald Eagle Management Plan, containing the pertinent terms and conditions, is transmitted with this letter.

In addition, the owners voluntarily entered into a Conservation Agreement that seeks to ensure that the property remains "in as natural and pristine a state as possible," and imposes more conditions, such as lot line setbacks that will preserve the natural vegetation between lots. A copy of the Conservation Agreement is transmitted with this letter.

Under these circumstances, only minimal (if any) outside irrigation will occur at the property under any future scenario. Furthermore, for the foreseeable future, the residences will be for recreational use, with one apparent exception. Even if some or all of the recreational residences are converted to year-round, full-time residences in the future, it is clear that the habitat restrictions will severely restrict the opportunity or need for outside irrigation.

The Pulali Point Partners are in the process of finalizing the Subdivision platting, and are drafting a Declaration of Covenants, Conditions and Restrictions (the "Declaration") that will be recorded with Jefferson County and will govern the property's use in the future. The Declaration will incorporate the restrictions described above. In addition, in order to further limit water usage, we are prepared to include a restriction in the Declaration that accomplishes the following:

"Water Use. It shall be a goal of the Owners to conserve water resources, and to share water usage equitably and proportionately. The entire Subdivision shall use no more than 5,000 gallons of water per 24-hour day. Within the entire Subdivision, there shall be no more than one-half acre of outside irrigation at any one time. On any given 24-hour day, each Lot shall be entitled to use the proportion of the 5,000 gallon limit represented by dividing 5,000 gallons by the number of Lots occupied on that day. By way of example, if all eight Lots were occupied on a given day, each Lot would be entitled to use 625 gallons of water during that 24-hour day (i.e., 5,000 gallons divided by eight). The same proportionate usage arrangement shall apply to outside irrigation. It shall be the burden of each individual Lot Owner to ensure compliance with water usage limitations applicable to their individual Lot. In the event that a Lot is occupied as a year-round, full-time residence, that Lot shall install a water meter to ensure compliance with water usage limitations applicable to that individual Lot."

Given all of the above, we hope that you will approve the water system, with eight connections. If you have any questions, please call me. I can be reached by telephone at (206) 322-3445, or by fax at (206) 328-3568. Again, we appreciate your efforts regarding this matter.

Sincerely,


George A. Hartman
Pulali Point Partner

Encs.

Karl Johnson, P.E.
September 11, 1997
Page 3

cc: Jefferson County Environmental Health
Sheri Carroll, WSDOE
Marie Peter, WSDOE
Pulali Partners

WASHINGTON STATE DEPARTMENT OF WILDLIFE

BALD EAGLE SITE MANAGEMENT AGREEMENT

On behalf of the people of the State of Washington, to which its wildlife belongs, the following agreement is hereby enacted for the purpose of protecting bald eagles and their habitats.

The landowner(s), or agent for the landowner(s), and WDW agree to the conservation measures described in the attached site management plan.

Site Name: Pulali Point Large Lot Subdivision

Legal Description: Portions of Section 18 & 19, Township 26 North, Range 1 West, W.M.

In witness where as mutually agreed upon and signed this day of _____:

PULALI POINT PARTNERS

[Signature] PARTNER 2-10-93
Landowner Date

11000 WILKOMB PL.
Address

WOODWAY, WASH. 98020
City, State, Zip

The State of Washington, Department of Wildlife

[Signature] 3/19/93
Regional Manager Date

[Signature] 3/17/93
Area Biologist Date



MANAGEMENT TERMS AND CONDITIONS

This management strategy has been developed to protect and maintain the integrity of the nesting territory by protecting the existing nest trees, perches, and potential habitat from adverse alteration or disturbance. The condition of this plan will deal with the subject of nest territory viability three ways: 1) Protected Areas: 2) Perch and Nest Tree Protection: and 3) Secondary Protected Zones and Conditions.

Protected Areas

The proposed Protected Area within the Pulali Point parcel will be designated as a permanent habitat conservation zone (Figure 2, attached). This approximate 20-acre area is designated as Common Area "A" and includes all habitat north of the access road from Pulali Point Road to the U.S. Naval facility. The access road should be kept to the smallest acceptable width for safety and County standards. No logging or construction activities should occur within the conservation zone.

Perch and Nest Tree Protection

The intent of these areas is to protect the mature trees which the eagles have historically used and to protect those trees which could potentially be used.

1. All tall conifer trees around the abandoned homestead and all trees on the property greater than or equal to 18 inches diameter at breast height (dbh) shall be protected in perpetuity.
2. Trees that threaten the residences or proposed building sites may be removed after a written report from a professional forester is approved by WDW.
3. Large trees along the shoreline have been located and shown on the siteplan. There shall be a 50' radial buffer around these trees. No building nor clearing shall occur within this buffer. Some selective thinning of the buffer is allowed for view purposes. Thinning is to be reviewed with the Washington State Department of Wildlife.

Secondary Protected Zones and Conditions

The intent of these areas and conditions is to protect the habitat where the proposed lots are to exist and to minimize disturbance that could disrupt eagle activity. Long-term maintenance of these areas are important to the long-term viability of the bald eagle and other local wildlife. The conditions proposed for this area are as follows:

1. No vehicular access is allowed via the common area between lots 3 & 4;
2. Retain all snags greater than or equal to 12 inches dbh;
3. Retain optimum overhead canopy;

4. Proposed locations for the cabins shall be limited to those areas shown as the building envelope on the attached siteplan.
5. A 50 foot buffer shall be maintained from the top of bank. No construction nor clearing will be allowed within the buffer. Some selective thinning is allowed for view purposes. Thinning is to be reviewed with the Washington State Department of Wildlife. Determination of this buffer shall be coordinated with Jefferson County prior to issuance of a building permit.
6. The total clearing for each lot shall not exceed 6,000 square feet, excluding driveways & utilities; and
7. All construction activities shall occur only during the non-breeding season (August 15 until January 1 of any calendar year). If no active nest exist within 1/4 mile from the proposed building site, construction activities will be permissible at any time if authorized by WDW.

MONITOR AND REVIEW

Implementation of this plan will begin when the landowners, or agent for the landowners, agrees to the plan by signing it. If the WDW and the landowner(s) can not agree to the plan, the landowner(s) can refer the plan to the Bald Eagle Oversight Committee or file a formal appeal as outlined in WAC 232-12-197.

The conditions of the plan do not supersede local, county, state, federal, or other regulations that are related to environmental protection (e.g. Shoreline Management Act, SEPA). It is the responsibility of the landowner(s) to assure that the appropriate permits are obtained and to address concerns other than bald eagle habitat protection.

To assist with the administrative execution of this plan, the following procedures have been added as conditions of the Eagle Management Plan:

1. Clearing for the building pads may only occur after the issuance of a building permit.
2. A copy of the building plans and application shall be sent to the WDW when submitting to Jefferson County.
3. A wildlife biologist shall review and verify that the building plans are in compliance with the Eagle Management Plan. This letter shall be included with the submittal of the building permit application to Jefferson County.
4. All building plans and applications are subject to the conditions of the Eagle Management Plan.

ORIGINAL

PULALI POINT PARTNERS CONSERVATION AGREEMENT

It is the intention of the Pulali Point Partners (the "Partners") to maintain the approximately 40 acre Pulali Point Property (the "Property"), more specifically described in the attached Exhibit A, in as natural and pristine a state as possible, consistent with the construction and use of residences and related improvements on their individual lots within the Property. To that end, the Partners hereby agree to the following restrictions upon the use of the Property:

1. The conditions of the Bald Eagle Management Plan dated March 8, 1993, and the related Bald Eagle Site Management Agreement executed by the Partners on February 10, 1993, and by the State of Washington Department of Wildlife on March 17 and 19, 1993, shall apply to the Property.

2. Commercial logging shall be prohibited.

3. Clear-cutting of trees and vegetation shall be prohibited, except as is reasonably necessary for the following: (a) the building of a residence and related improvements; (b) the clearing of trees and vegetation near a residence and related improvements: (i) to protect the structures from falling trees or branches, and (ii) to use and enjoy the area adjacent to such structures for normal residential purposes; and (c) the reasonable creation or enhancement of views from a residence. However, in the event that a Partner desires to engage in any of the exceptions set forth in the preceding sentence within fifty (50) feet of an abutting Partner's property ("Abutting Owner") the Partner shall inform the Abutting Owner of the proposed action in writing in advance to permit the Abutting Owner to object and seek a ruling from the Pulali Point Partners Executive Committee. When a Partner has provided such notice, no proposed action shall be commenced until the Abutting Owner has responded in writing that there will be no objection or until thirty days after the posting of the written notice, whichever occurs first. In the event that the Abutting Owner objects to the proposed action and requests a ruling from the Pulali Point Partners Executive Committee, no proposed action shall be commenced until a final ruling is made. The provision of notices and objections, as well as the rendering of decisions by the Executive Committee, shall be in accordance with the Pulali Point Partners Association Bylaws.

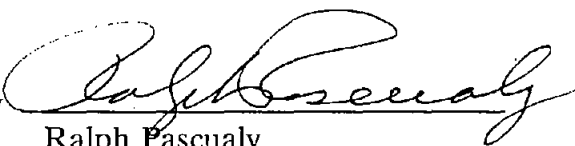
4. The operation of recreational off-road vehicles (e.g., dirt bikes, ATVs, etc.) shall be prohibited.

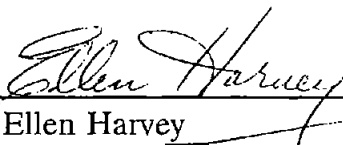
5. Hunting and the discharge of firearms shall be prohibited.

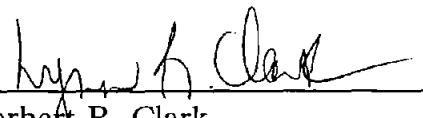
6. There shall be no rental of the Partners' individual lots within the Property for a period less than two months. All renters, if any, shall be subject to the terms of this Conservation Agreement.

This Conservation Agreement shall run with the Property and shall be binding upon the successors, assigns, personal representatives and heirs of the Partners. This agreement may be altered or amended by a majority vote of the Pulali Point Partners partnership interests. Any disputes regarding this agreement or the application of its provisions shall be resolved in accordance with the Pulali Point Partners Association Bylaws.

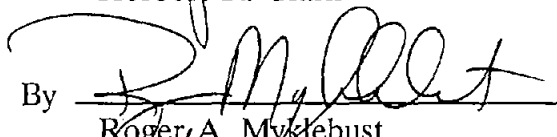
DATED the 22nd day of January, 1996.

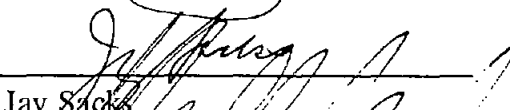
By 
Ralph Pascualy

By 
Ellen Harvey

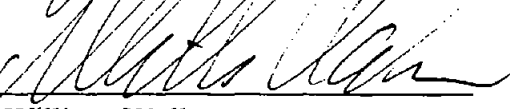
By 
Herbert R. Clark

By 
Robert F. Bakemeier

By 
Roger A. Myklebust

By 
Jay Sacks

By 
George A. Hartman

By 
William Walker



STATE OF WASHINGTON

DEPARTMENT OF HEALTH

SOUTHWEST DRINKING WATER OPERATIONS

2411 Pacific Ave. • P.O. Box 47823 • Olympia, Washington 98504-7823

(360) 664-0768 • FAX (360) 664-8058

TDD Relay Service: 1-800-833-6388

September 5, 1997

RECEIVED

'97 SEP -8 A9:53

S.W. REGIONAL OFFICE

George Hartman
3215 E. Mercer
Seattle, Washington 98112

Subject: Pulali Point Water System, ID #060851, Jefferson County, Request
for Approval to Serve Up to Eight Residential Connections

Dear Mr. Hartman:

I have reviewed your letter dated August 11, 1997, requesting approval for the subject system to serve up to eight residential connections. I have also discussed the water right issue with Sheri Carroll and with Marie Peter at the Department of Ecology.

It appears that Ms. Carroll's letter, dated August 4, 1997, is a miscommunication of the association of water right permit exemption rules and water demand estimation for annual water right limits. The 5000 gallon per day water right permit exemption is a limit on peak day water use, not on annual average water use. If the annual average water use of a water system was 5000 gallons per day then the peak day use would surely exceed this amount unless the system used the exact same amount of water every day.

This department uses 800 gallons per connection per day as a peak day demand estimate for the average residential water user. Long time experience has shown this to be a pretty reasonable estimate of peak day water use for most water systems. However, we also know that for various reasons some systems use more than this and some use less. We have found that water systems use about two to three times as much water on a peak day as on an average day. The reason for this is outdoor water use during hot dry weather. Therefore, if a water system has no outside water use we would expect that peak day water use would be lower than 800 gallons per connection.




George Hartman
September 5, 1997
Page 2

I believe it is possible to accommodate your request for two additional water connections, but not based on the water right information you have provided. From our telephone conversation I understand that both the local terrain and certain land use restrictions placed on the subdivision will limit or completely eliminate outside water use for the users of this water system. Please provide a written explanation of the limitations on water use which prevent the water system from using more than 5000 gallons per day. If it is clear that the restrictions will prevent water use in excess of the exemption criteria, then we will be willing to approve the additional connections.

If you have any questions please call me at (360) 753-2452.

Sincerely,



KARL JOHNSON, P.E.
WSDOH Regional Engineer

cc: Jefferson County Environmental Health
Sheri Carroll, WSDOE
Marie Peter, WSDOE



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

P.O. Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

August 22, 1997

Mr. George Hartman
3215 E. Mercer
Seattle, WA 98112

Dear Mr. Hartman:

Re: Water Right Application #G2-28893 for Pulali Point

This letter is being sent as a follow-up to Ecology's letter dated August 4, 1997. In that letter, Sheri Carroll quoted the water right exemption from RCW 90.44 which states that a permit is not required for domestic supply if withdrawals will not exceed 5,000 gallons per day and no more than 1/2 acre of lawn or non-commercial garden will be irrigated. However, a subsequent paragraph explaining how Ecology allocates annual quantities, appears to have caused some confusion as to what conditions actually trigger the need for a water right permit.

If a permit were to be issued under your application, Ecology would allocate up to 450 gallons per day for the proposed year-round residence (less water would be allocated if no lawn or garden watering is proposed) and an appropriate percentage thereof for the seasonal residences. However, the average projected daily use and the total annual withdrawal, are not determining factors for whether or not a project is exempt from the permitting requirement.

If withdrawals would exceed 5,000 gallons per day on any one day, a permit is required. Also, if irrigation of a cumulative total of more than 1/2 acre of lawn or garden is proposed under a project, a permit would be required.

It is my understanding that under the Pulali Point project, there will be eight homes of which only one will be a year-round residence, and that none of these homes would require water for outdoor irrigation. Given this information, and our estimate of water needs, Ecology believes that this project *may* be exempt from the permitting requirement. However, if the Department of Health determines that a peak flow of 800 gallons per day per home is necessary under this project, then only six residences may be hooked up under the water right exemption.

We apologize for the confusion resulting from the August 4th letter. I hope that this letter clarifies what may have appeared to be an inconsistency between the requirements of Ecology and Health. If you have any questions concerning water rights, please call me at (360) 407-0279. Please contact Karl Johnson at the State Department of Health if you have any questions concerning water system/peak flow requirements for your project.

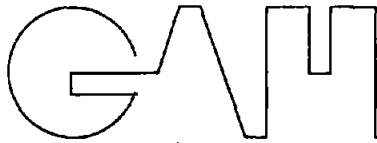
Sincerely,

Marie Peter
Water Resources Program

MP:cl

cc: Karl Johnson, Department of Health





George A. Hartman, Architect

3215 E Mercer Seattle WA 98112 - (206) 322-3445 Fax (206) 328-3568

August 11, 1997

Re: Water service to 8 lots of Pulali Point Partners

DEPARTMENT OF HEALTH
Karl W. Johnson
WSDOH Regional Engineer
SouthWest Drinking Water Operations
2411 Pacific Avenue
Olympia WA 98504
P.O.Box 47823

Dear Mr. Johnson:

I met with Sheri Carroll from the Department of Ecology in Olympia on July 24th. In reviewing our 1993 application G-2-28893 for Water Rights and the water consumption standards we found the Department of Ecology criteria quite different from those of the Department of Health. In her letter dated August 4, 1997, copy enclosed. Ms. Carroll writes:

"The Department of Ecology bases annual quantities allotted for recreational residential services at 225 gallons per day or less. The single year round residence will be allotted 450 gallons per day."

According to the Department of Ecology criteria, the basis for computing water consumption for recreational residences is shown on the enclosed page 3: $400 \text{ gpd/lot} \times 25\% = 100 \text{ gallons per day}$. For eight recreational residences the consumption would be 800 gallons per day. Assuming that the recreational residences might be converted to year round residences, at 450 gpd, total maximum consumption would be 3,600 gallons per day. This is significantly less than the 5,000 gpd maximum.

Based upon the Department of Ecology criteria and the 450 gpd calculation, Ms. Carroll has confirmed in the enclosed letter dated August 4, 1997, that we need not seek a water rights permit. We are exempt under Washington Water law. She suggested that we withdraw our application as soon as the Department of Health grants us a connection to all eight lots. We hope that will occur immediately.

We are sending you this documentation prior to scheduling a meeting with you on connecting our water system to all 8 lots. The following are some of the pertinent facts:

All eight residences will be recreational places for the foreseeable future and consequently there will not be a daily consumption of water. Only one of the eight partners plans to build immediately and possibly use his residence year round. The rest of the properties will be developed gradually over several years. Most of the owners are young professionals with practices and full-time residences in Seattle or Tacoma.

Because of the rocky topology and forested lots, there will be no irrigation. Water consumption will be kept to the minimum. Also as environmental standards become more restrictive with new more efficient showerheads and toilets and other water conservation measures it is very likely that the current criteria for water consumption will be reduced and the question of a 5,000 gpd will become moot.

We would be willing to install a meter that would log the daily consumption of water. Such monitoring would ensure that we will not exceed the 5,000 gpd with water connections to all eight lots. If the Jefferson PUD runs our system, the PUD could monitor the daily consumption. Our Jefferson County planning permit is expiring on November 18, 1997. We want to resolve this matter before our permit expires.

We have a 155 foot deep well with a water capacity of 41,000 gpd. Applying the Department of Health number of 800 gpd this single well could theoretically serve 51 lots. Applying the Department of Ecology criteria of 450 gpd, the well could theoretically serve 91 lots. Of course, we have limited our plat to 8 lots. Under the circumstances, it does not appear necessary to limit the connections to only 6 lots.

We are told that the criteria of the Department of Ecology are based on empirical data of actual water consumption. We hope that the agencies' different approaches to the volume calculations can be reconciled. We are optimistic that we can arrive at a mutually satisfactory resolution of this situation once we meet. I shall call you in a few days so we can set a meeting date to resolve this issue.

We appreciate your efforts regarding this matter.

Sincerely,

George A. Hartman
Pulali Point Partner

cc.: Sheri Carroll
Enclosures: Letter from Sheri Carroll
Literature



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

P.O. Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

August 4, 1997

George Hartman
3215 E. Mercer
Seattle, WA 98112

Dear Mr. Hartman:

I am writing this letter in regard to your application for ground water rights No. G2-28893. (Pulali Point Partners)

It is my understanding the seven homes that will be served by the well are seasonal residences and one will be all year round.

For ground water withdrawals, Washington Water Law requires all water users to obtain a water right permit from Ecology before constructing a well or withdrawing any ground water from a well. However, the law does allow a water right Permit Exemption which states that:

"No water right permit is required for the withdrawal of up to 5,000 gallons of water per day from a well when the water is being used for single or group domestic water supply and irrigation of no more than 1/2 acre of lawn or non-commercial garden."

The Department of Ecology bases annual quantities allotted for recreational residential services at 225 gallons per day or less, 1/4 acre foot per year. The single year round residence will be allotted 450 gallons per day.

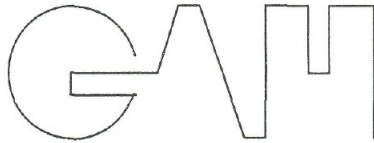
It appears your request for water rights is exempt under the Washington water law. You will need to contact the Jefferson County Heath Department as your system is a public water system. Please contact this office if you do not want to proceed with the processing of your application. If you have any questions, please call me in Olympia at (360) 407-0240.

Sincerely,

Sheri Carroll
Water Resources

SC:th





George A. Hartman, Architect

3215 E Mercer Seattle WA 98112 - (206) 322-3445 Fax (206) 328-3568

July 24, 1997

Ms. Sheri Carol
Department of Ecology
Olympia, WA 98504-0002

Dear Ms. Carol:

Thank you for making it possible to meet with you in the matter of Pulali Partners Water Rights for which we applied in 1993. The purpose of the meeting is to obtain water rights so that we can serve the eight individual lots.

The State Health Department Jefferson PUD advised us that we have authority to connect our water system to only six lots. This is because we will then serve less than the 5,000 gallon capacity that is based on a 800 gallon/house criteria. Thus we would be exempt from the State Water Rights regulations. The Jefferson county PUD was not willing to reduce the 800 gallon/house criterion.

The Jefferson County Permit Center gave us a one time only extension for the Pulali Point Partners Large Lot Subdivision where the Summary approval will expire November 18, 1997. We will need to submit our final plat prior to this date, showing that water is available to all eight lots. Otherwise we have to resort to a lengthy new application process.

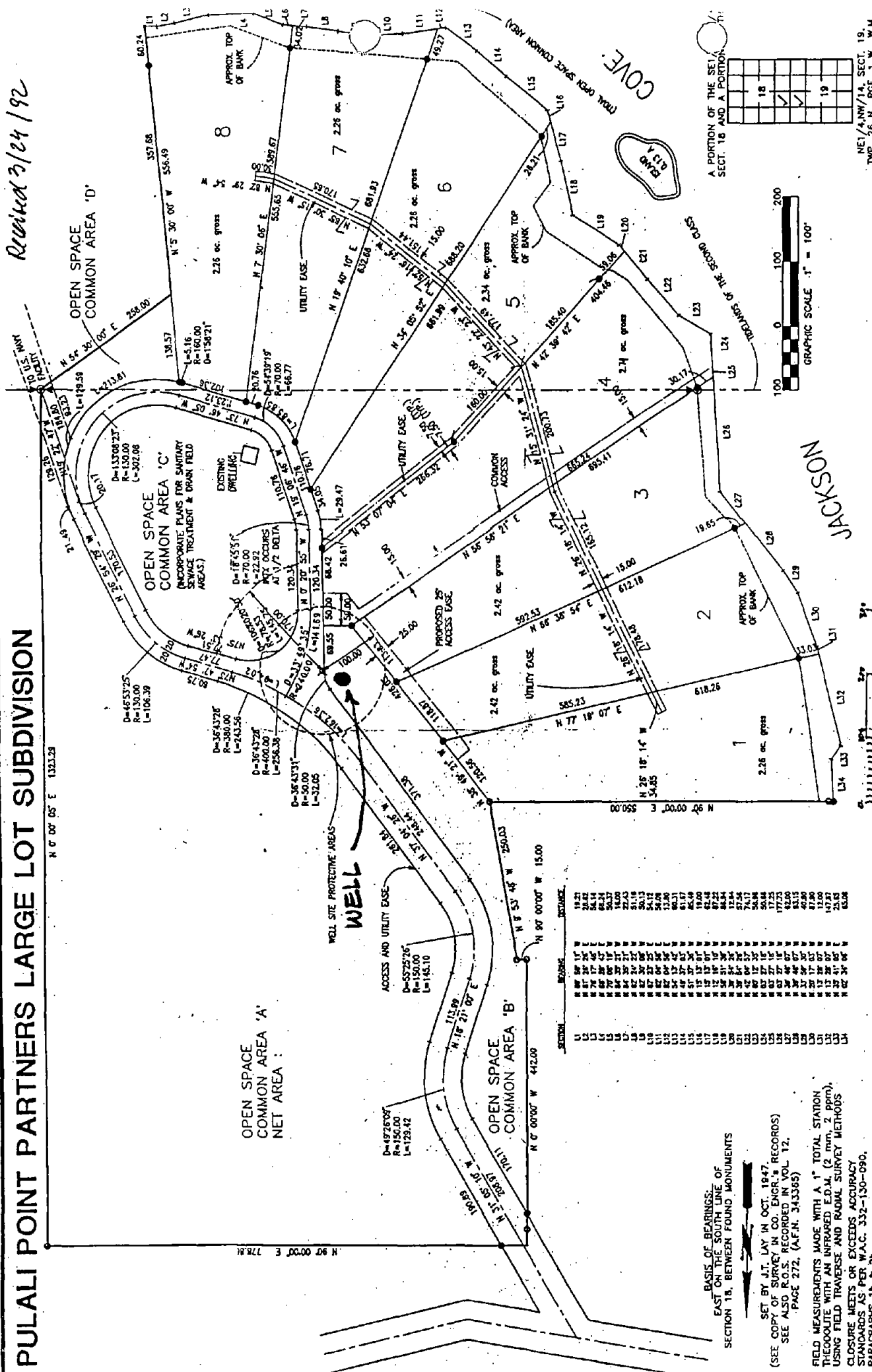
We are enclosing our well data which shows that the 155 foot deep well produces 29 gpm or 41,000 gpd. Only 4.5 gpm or 6,400 gpd is required to serve the 8 lots. We have 35,000 gallons per day excess above the requirement.

It was suggested that we drill a new well directly next to the existing well, so that we in effect have two water systems, each below the 5,000 gpd maximum. This means that we would take water from the same aquifer, 155 feet deep. From a practical point of view both wells can be considered as coming from the same source of water. We would have fulfilled the letter of the law but would have violated the spirit of the law.

Our appeal to you is to grant us the water rights outright. It would save us considerable expense and a great deal of trouble. One well will effectively function in the same way as two wells would.

PULALI POINT PARTNERS LARGE LOT SUBDIVISION

Revised 3/24/92



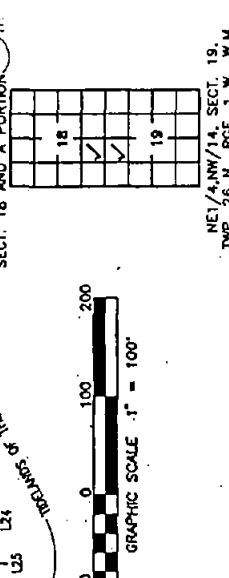
SURVEYOR'S CERTIFICATE
THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE SURVEY RECORDING ACT AT THE REQUEST OF
PULALI POINT PARTNERS
DATE
CERTIFICATE NO. 20642



RECORDING CERTIFICATE
FILED FOR RECORD THIS DAY OF 19 AT M. IN BOOK OF SURVEYS AT PAGE AT THE REQUEST OF DAVID EVANS AND ASSOCIATES
MANAGER/AUTHOR
RECORDING NO.

RECORD OF SURVEY
FOR
PULALI POINT PARTNERS
% **MR. WILLIAM WALKER**
WILLIAM WALKER & ASSOC., AIA

dean
DAVID EVANS AND ASSOCIATES, INC.
1100 NW BUCKLEY ROAD, SUITE 200
SEASIDE, WA 98138 (206) 586-1801
SHEET 2 OF 2
SCALE 1" = 100'
SURVEYED DRS. TES
FIELD BOOK LOOSE LEA
DRAWN BSL
CHECKED LGH ASC
FILE WWAX0001



SECTION	BEARING	DISTANCE
1	N 97° 00' 00" E	15.00
2	N 77° 18' 07" E	55.00
3	N 26° 18' 14" W	54.65
4	N 42° 36' 42" E	105.40
5	N 54° 10' 52" E	15.00
6	N 54° 10' 52" E	15.00
7	N 18° 40' 10" E	632.64
8	N 5° 30' 00" W	256.00
9	N 18° 40' 10" E	632.64
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BASIS OF BEARINGS:
EAST ON THE SOUTH LINE OF SECTION 18, BETWEEN FOUND MONUMENTS
SET BY J.T. LAY IN OCT. 1947.
(SEE COPY OF SURVEY IN CO. ENGR.'S RECORDS)
SEE ALSO R.O.S. RECORDED IN VOL. 12, PAGE 272, (A.F.N. 343365)
FIELD MEASUREMENTS MADE WITH A 1" TOTAL STATION THEODOLITE WITH AN INFRARED E.D.M. (2 mm, 2 pptm), USING FIELD TRAVERSE AND RADIAL SURVEY METHODS. CLOSURE MEETS OR EXCEEDS ACCURACY STANDARDS AS PER W.A.C. 332-130-090, PARAGRAPHS 1b & 2b.



JEFFERSON COUNTY PERMIT CENTER

621 Sheridan Street, Port Townsend, WA 98368

March 31, 1997

WALKER WILLIAM
11000 WHITCOMB PLACE
WOODWAY WA 98020

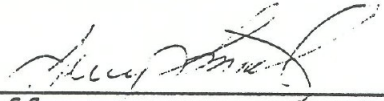
Re: LLA92-0002 PULALI POINT PARTNERS LARGE LOT SUBDIVISION

Dear WALKER WILLIAM

A one time only ~~extension~~ extension has been approved for the above referenced subdivision. Summary approval on the above ~~plat~~ plat will now expire November 18, 1997. You will need to submit your final plat prior to this date.

5.209 Renewal Procedure: A ~~plat~~ plat upon which preliminary approval has expired shall be resubmitted and processed as a new application.

Sincerely,



Staff

Building
Building Permits
Inspections

Environmental Health
Septic Permits
Water Review

Development Review
Subdivision, Zoning
& Shoreline Permits

Public Works
Road Approach
Permits & Addresses

(360) 379-4450

FAX: (360) 379-4451

March 12, 1997

Roger A Myklebust
9075 40th Pl. N.E.
Bellevue, Wa. 98004

Mr. Jerry Smith
Permit Center
621 Sheridan St.
Jefferson County
Pt. Townsend, Wa. 98368

Re: Pulali Point Large Lot Subdivision
Project No. 59409

Dear Mr. Smith:

We are writing to request an extension of the Planning Permit issued for the Pulali Point Large Lot Subdivision on November 18, 1993. Specifically, we request an extension through November 18, 1997.

We have completed all construction and the majority of the non-construction requirements of the original approval. The following is a summary of the significant efforts and related dates undertaken in response to the Approval:

1. Original Application/Plans. The Large Lot Subdivision Summary Approval was issued on November 18, 1993.
2. Road Construction. Construction commenced in June 1996. The contractor was Mr. Gary Janish. Preliminary approval of the road occurred in November 1996. Final approval by Mr. Bomi Khambatta of the Public Works Department was received in January, 1997.
3. Septic System. As initially approved the plans provided for a common septic system. In consultation with the County, the approach was modified to utilize individual drainfields for each of the proposed eight lots. The individual Septic Permit Applications were submitted in July 1996. We are advised that approvals will be issued by the Jefferson County Health Department when the subdivision is finished. The designer was Ms. Janet Welch of Septic Sense.
4. Electrical. The electrical lines were installed by Mason County PUD in August 1996.

pul2.prm

1

5. Telephone. Telephone lines were installed by the telephone company, Sprint, in August 1996. Final connection will occur within the next 60 days.

6. Water. The water system was approved on March 23, 1995 by the Washington Department of Health. Construction of the system was commenced in June 1996 by Mr. Gary Janish, in conjunction with Black Point Electric. Mr. Janish had overall responsibility and installed the underground lines in August 1996. Black Point Electric installed the pump, tanks and complete electrical system. The Certification that the system has been completed will be submitted to the Washington State Department of Health.

7. Turnaround. A turnaround was constructed at the end of the common area road. Final approval of the road and turnaround was obtained from the Jefferson County Fire Protection District #4 in November 1996 and subsequently by Mr. Khambatta.

The final plat survey, Record of Survey Map, showing as-built conditions is being prepared and will be submitted in the next several weeks. In addition, the owners have prepared a road maintenance agreement and are naming the road. The AFN of the private road easement establishing access to the property is recorded under number 332617 in vol 312, page 512-525.

We appreciate your consideration of the request and will be happy to address any questions you may have regarding the above items or other aspects of the subdivision. Please address questions to me at 206-654-2220 or the above address or to Mr. George Hartman at 206-322-3445.

Very truly yours,



Roger A. Myklebust



STATE OF WASHINGTON

DEPARTMENT OF HEALTH

SOUTHWEST DRINKING WATER OPERATIONS

2411 Pacific Ave. • P.O. Box 47823 • Olympia, Washington 98504-7823 • (360) 664-0768

January 3, 1996

The William Walker Association
1100 Whitcomb Place
Woodway, Washington 98020

Subject: Pulali Point Water System, Jefferson
County; New Group B System, 6
Connections; DOH Project #059409

Gentlemen:

Our records indicate that approval for the above system was granted on March 23, 1995 and that as of this date we have not received a construction report.

State regulation WAC 246-290-040 requires that within 60 days following the completion of and prior to the use of any project or portions thereof, for which plans and specifications have received approval of the Department, certification that the project has been installed in accordance with the approved plans and specifications shall be signed by a professional engineer and returned to this office.

Therefore, would you please indicate the project's current status and return this form to the address below.

1. Construction not started _____
Anticipated date to begin construction 0-7-96
2. Construction in progress _____
Expected completion date _____
3. Project completed and certification will be returned on _____
4. Additional comments:

Sincerely,

Karl W. Johnson
Karl W. Johnson, P.E.
WSDOH Regional Engineer
Southwest Drinking Water Operations
Phone: (360) 783-2452

KWJ:clp
Enclosure

Signed: *[Signature]*
Water System Representative

cc: Jefferson County Health Department
Otto Burden, P.E.

CONSTRUCTION REPORT FOR PUBLIC WATER SYSTEM PROJECTS

Effective September 9, 1983 the following Regulation applies: WAC 246-290-040(2) - A construction report shall be submitted to and accepted by the department within sixty days of completion and prior to use of any project for which plans and specifications have been approved by the department for projects designed by a professional engineer. The construction report must be signed by a professional engineer. The report shall state in the opinion of the signee whether the project has been constructed in accordance with approved plans and specifications and the installation, testing and disinfection of the system were carried out in accordance with department regulations.

- (a) If a project is being completed in stage construction, attach a map and description of portion of project being certified as completed as approved on date given below.
- (b) As future portions of staged construction projects are completed, each must be certified as required by WAC 246-290-040(2).
- (c) Additional certification forms are available upon request from DOH offices listed below.

The William Walker Association

Pulali Point Water System

Name of Water System

1100 Whitcomb Place

Mailing Address

Woodway, WA 98020

City

State

Zip

DOH Water System No.

Referendum

No. (if any)

Date Plans and Specifications Approved
by Department of Health

March 23, 1995

PROJECT NAME AND DESCRIPTIVE TITLE:

Pulali Point Water System, Jefferson County;
New Group B System, 6 Connections; DOH
Project #059409

Date Project or Portions Thereof Completed

The undersigned engineer or his authorized agent has inspected the above-described project, which as to layout, size and type of pipe, valves and materials, reservoir and other designed physical facilities has been constructed in accordance with the plans and specifications approved by the Secretary, Department of Health, and in the opinion of the engineer, the installation, testing and disinfection of the system was carried out in accordance with the specifications approved by the Secretary for the project.

Engineers
Seal

Engineer

Date

Please return completed form to DOH office checked below.

☐ N.W. Drinking Water
Environmental Health
217 Pine, Suite 220
Seattle, WA 98101

☒ S.W. Drinking Water
Environmental Health
P.O. Box 47823
Olympia, WA 98504-7823

☐ Eastern Drinking Water
Environmental Health
West 924 Sinto
Spokane, WA 99201

Fee 100.00

Receipt #13752
7-22-93WELL SITE INSPECTION CHECK LIST

Project: Pulali Point Subdivision Received: July 22, 1993

Location: Pulali Point, Jefferson County Inspected: August 5, 1993

Section 19, Township 26N, Range 1W By: Celia K. Austin

Owner: Pulali Point Partners Name of any representative or owner present during your inspection:

11000 Whitcomb Place

Woodway, WA 98020 Otto Burden, Olympic Eng

Submitted by: Olympic Engineering, Otto Burden

Engineer or Land Surveyor

In answering the following, the term well site means all the area within one hundred feet of the well; the term well means the spot where the well is to be drilled or is already drilled. Yes answer means agreement with the statement or question.

	<u>Yes</u>	<u>No</u>
Map provided was accurate, based on your observations at the well site?	<u>✓</u>	<u> </u>
Slope of ground within well site and beyond is not such as to endanger well from possible run-off contamination?	<u>✓</u>	<u> </u>
No evidence of existing sources of contamination within 100 feet of the well?	<u>✓</u>	<u> </u>
If public or private roads pass within 100 feet of well, are they now ditched or otherwise drained in a manner which safely conducts surface run-off away from well?	<u>✓</u>	<u> </u>
If well is an existing well:		
A. Does ground slope away from immediate vicinity of well?	<u>✓</u>	<u> </u>
B. Is well adequately sealed and covered?	<u>✓</u>	<u> </u>
C. Is visible construction in sound condition? (Concrete, piping, electrical, floor slab, building, etc.)	<u> </u>	<u>N/A at this time</u>
D. Is there a substantial concrete slab poured around the well casing?	<u>✓</u>	<u>N/A at this time</u>
E. Does casing extend at least 12-inches above slab?	<u>✓</u>	<u> </u>
In your opinion, is the overall well site satisfactory?	<u>✓</u>	<u> </u>

new and/or expanding Class 4 Water System Workbook

CHECK LIST NEW, AND/OR EXPANDING CLASS 4 WATER SYSTEMS

- Water Right Permit
- Vicinity Sketch
- Layout Sketch
- Source Location & Protection Sketch
- Source Site Inspection
- Control Area including Restrictive Covenant.....
- Well Log
- ✓ Pump Test
- ✓ Bacteriological Analysis Results
- ✓ Chemical Analyses Results
- Pressure Tank Standards
- Equipment Specifications

STATE OF WASHINGTON
DEPARTMENT OF SOCIAL & HEALTH SERVICES



Health Services Division
Water Supply and Waste Section
1D-11
Olympia, WA 98504

INSTRUCTIONS

The workbook is laid out by sections regarding each individual component of the public water supply.

Throughout reference is made to the use of necessary sketches and appendices. Thorough consideration must be given to these in order to allow proper completion of this workbook.

In order to illustrate proper use of the workbook, an example has been developed. This example parallels the workbook throughout the relevant sections to allow easy reference. (Blue portion of the Support Package)

The appendices and examples are included in a separate support package entitled, "Class 4 Water System Design—Requirements, Procedures and Examples." Related explanations are included on the facing pages of the example to simplify and clarify the answers in the example.

The workbook has been developed to allow easy completion by individuals not highly trained in water supply, although it may be necessary to engage a qualified individual to assist in completion.

This workbook is designed to cover simple shallow well, deep well, and spring source development. A surface water source will normally require a higher degree of development and treatment. In that instance, this workbook will not be applicable.

TO ALLOW PROPER REVIEW, THE WORKBOOK MUST BE COMPLETELY FILLED OUT.

Prepared by: David E. Nelson
NAME (PLEASE PRINT)
3100 Bucklin Hill Rd. Ste 105, Silverdale, WA 98383
ADDRESS
DAVID EVANS AND ASSOCIATES, INC.
COMPANY
(206) 698-1661
TELEPHONE

Prepared by: System Owner System Operator
Consultant X

David E. Nelson
SIGNATURE

1-4-91
DATE

NEW SYSTEMS—Cont.

Section 1. General System Data

a. System Name: Pulali Point Water Users

b. System Location: 1/4, 1/4, Section 18 & 19, Township 25 N, Range 1 W, Willamet Meridian
USGS 1/4, 1/4 Section Letter Code Designation

c. I.D. Number: Age: New Number of Services: 8 (Eight)

d. Owner: The William Walker Assoc. Manager: Mr. William Walker

e. Address: 11000 Whitcomb Place Address: (SAME)
Woodway, WA 98020

f. Telephone:

NOT DRAWN TO SCALE

(SEE ATTACHED PLAN)

Vicinity Location Sketch:

g. Is there an adjacent water system: Yes..... No.....X.....
h. If yes, could it serve you: Yes..... No.....X.....
i. Name or designation of source

Name or Designation of Source		Type of Source				
Number	NAME	Dug Well	Drilled Well	Spring	Surface Water	Capacity
	N/A					

- j. **System Layout Sketch**—Draw system layout sketch on Page 10 of this workbook or attach applicable design. Include: Distribution lines, pipe lengths and size, materials, age, condition, valves and fittings, appurtenances, and customer services.
- k. **Source Location and Protection Layout**—Draw source location and protection sketch on Page 11 of this workbook and indicate property lines, roads, radius of protection control, and potential sources of contamination relative to the well site. Show spring collection, if applicable.

NEW SYSTEMS

Section 2. Source Development—to be completed for each source. (Appendix 1)

A. General Source Data

I. *Wells

- a. Well Logs: Existing Well....., New Well...X.....
Attached....., Not Available.....
- b. If not available, contact your local health agency.
- c. Well construction:X.....SatisfactoryUnsatisfactory (Appendix 1)
- d. If construction is not to standards, list deviations and attach.

II. *Springs (Appendix 4) (N/A for this project)

- a. Recharge Area: Defined....., Protected.....
- b. Waterbearing Strata: Protected....., Unprotected.....
- c. Spring collection according to Appendix 4, figure, or if Appendix 4 is not applicable, sketch actual configuration and attach.

B. *Source Collection Site

- a. Site Inspection: ... X ... SatisfactoryUnsatisfactory (Appendix 2—attach report)
- b. Protective covenants/easements:X.....SatisfactoryUnsatisfactory.....Unobtainable (Appendix 3)
- c. For 100 ft. radius ... X ... , 200 ft. radius, Other (Define on attached sheet)
When clearly justified these requirements may be reduced or increased by the health officer and lesser or more stringent requirements may be imposed.
- d. Recorded ... X.....Yes, No, Number.....
If the protective covenants/easements are "unobtainable", contact your local health agency regarding a request for variance. "Unobtainable" may be defined by the local health department if a reasonable attempt has been made by the purveyor to secure the restrictive covenants and/or easements.

C. Source Capacity

- a. Number of connections ... 8 ... , Maximum required peak flow ...34.7... gpm (Table 1, page 7)
- b. Required Daily Production: ...4.5...gpm 6,400.....gpd (Table 1, page 7)
- c. Source capacity (by pump test, bailer test is unacceptable) . 29..... gpm41,000. gpd
If some other technique is used, include details on an attached sheet.
- d. Proposed Pump Rate: ...25... gpm 36,000.gpd
If the proposed pump rate is less than the maximum required peak flow, refer to Section 4, page 5, for the required storage.

*If the response to any portion of these subsections is "unsatisfactory", "undefined", or "unprotected", please contact your local health agency.

NEW SYSTEMS

THE WILLIAM WALKER ASSOC 7780839

P.10

NEW SYSTEMS—Cont.

D. Pumping Equipment (Appendix 7)

i. Source Pump

- a. Pump rate25.....gpm (Must be no less than Required Daily Production)

Note: Section 6, page 6, "Distribution System Sizing and Headloss" must be completed before filling out the following form.

b. Required Pump Head (Appendix 7)

	WELL	SPRING
Static Head		
(a) Well lift	.....146.5.....ft.	.....ft.
(b) System Elev. Diff.	.....10.0.....ft.	.....ft.
Headlosses	.....8.0.....ft.	.....ft.
Residual (30 psi)	.....70.0.....ft.	.....ft.
TOTAL	235.....ft.	.....ft.
Available Pressure Head	.....N/A.....ft.	.....ft.

Also, use this method if the source pump delivers to a storage tank where repumping is necessary; then a residual of 0 or close to 0 may be considered in pump sizing.

For springs, if the available pressure head exceeds the required pump head, then no pump will be required.

c. Required pump:

Total required Pump Head235.....ft.

Pump Rate25.....gpm

Select pump from pump catalog for235.....head and pump rate of25.....gpm.

Place check valve on pump

d. Selected Pump. (attach pump curve and specifications)

Type.....Submersible....., Manufacturer.....Grundfos..... Model No.....SP-4-19.....

RPM.....3450....., Horsepower.....2.0.....

Pump rate25.....gpm, at a head of240.....ft. giving58.....% efficiency (when available)
(62% is maximum)

e. Depth of pump setting.....155.....ft.....below top of casing

In situations where repumping from a storage tank is necessary, a booster pump must be sized as below.

ii. Booster Pump

N/A

a. Pump rategpm

b. Required pump head

	WELL	SPRING
System Elev. Diff.	.....ft.	.....ft.
Headlosses	.....ft.	.....ft.
Residual (30 psi)	.....ft.	.....ft.
TOTAL	.....ft.	N/A.....ft.

NEW SYSTEMS

Section 3. Water Quality Data

- a. Water Chemistry:X.....Satisfactory,Unsatisfactory
Attach copies of analysis reports
- b. Bacteriological:X.....Satisfactory,Unsatisfactory
Attach copies of analysis reports

Additional analysis may be required at the discretion of the local health agency.

Water quality requirements are discussed in detail on page 3. ("Class 4 Water System Design—Requirements, Procedures and Examples")

Section 4. Storage

- a. Required Peak Flow 34.7 gpm = X Section 2(C) page 2
- b. Pump Rate 25 gpm = Y (from Sec. 2 (D), (i), page 3)
If the pump rate is greater than the required peak flow, no storage is needed.
- c. If the pump rate is less than the required peak flow, the needed storage is:

$$*20 \left(\frac{X - Y}{24} \right)$$

$$20 \text{ min. (Required Peak Flow — Pump Rate)}$$

$$20 \text{ min. } \left(\frac{34.7 - 25}{24} \right)$$

$$20 (9.7) = 194 \text{ gallons}$$

Section 5. Pressure Tank Sizing

- a. Pressure tank will be ASME.....X....., equivalent..... (Attach specifications)
- b. ASME approved relief valve is installed. Yes...X..... No.....
- c. Pressure tank is for: Pump protection....., storage....., both.....X.....
- d. Working storage:

$$(A) \text{ Pump rate } 25 \text{ gpm. } *2.5 \times \text{pump rate} = 62.5 \text{ gallons}$$

$$(B) \text{ Storage requirement (from Section 4)} = 194 \text{ gallons}$$

When tank is for pump protection, use A above and refer to Table 2, Page 7.

When tank is for storage or both, use larger of A or B above and refer to Table 2, Page 7.

- e. Pressure tank ishorizontalX.....vertical
- f. Selected tank size 422 gal. (See Attached Data By Manufacture)
- g. **Selected Pressure Range 44.70
- h. Is air make-up bysnifter valve,compressor,other (specify)

Storage Type	Capacity (gallons)		Repumped	Gravity	Sketch configuration below. Show materials, dimensions, plumbing.
	New	Old			
Elevated Tank					(See Attached)
Ground Level					
Pressure Tank s	422	-			
Other (define)					
.....					
.....					

Design Standards for Public Water Supplies

**Minimum Pressure Tank Setting = System elev. diff. + Friction loss + 70'

NEW SYSTEMS

c. Select pump from catalog forhead and well pump rate of.....gpm.

d. Selected Pump: (attach pump curve and specifications)

Type....., Manufacturer....., Model No.....

RPM....., Horsepower.....

Pump rate gpm, at a head offt., giving% efficiency (if available).

E. Pumphouse (Appendix 5)

a. Pumphouse will conform to Appendix 5, figure.....

b. If Appendix 5 does not apply, sketch pumphouse layout and attach. AttachedX.....yesno

c. Required Pumphouse Components (Appendix 5)

	Included	Satisfactory	Unsatisfactory
Heating			
*Wiring			
Well Casing	X		
Sanitary Well Seal	X		
Pressure Gauge	X		
Casing Vent	X		

Floor Drain			
Pump Mounting			N/A
Flooring		X	
Security		X	
Chlorine Injection Point			N/A
Inspection Port			N/A
Raw Water Sampling Tap		X	

*Approval by building inspector.

d. Optional items included in pumphouse:

	Included	Satisfactory	Unsatisfactory
Pressure Tank		X	
Pump to Waste			
System Alarms			
Sampling Tap		X	

	Included	Satisfactory	Unsatisfactory
110 outlet wired with pump		X	
M/O Equipment			N/A
Meter			N/A
Airlines		X	

A definition of satisfactory and unsatisfactory for all pumphouse components is included in Appendix 5.



RECEIVED

'97 JUL -3 4 9:47

George A. Hartman, Architect

3215 E Mercer Seattle WA 98112 - (206) 322-3445 Fax (206) 328-3568

S.W. REGIONAL OFFICE

July 1, 1997

Ms. Sheri Carol
Department of Ecology
Olympia, WA 98504-0002

Dear Ms. Carol:

On Tuesday, June 24th I called you and left a message that I wanted to schedule an appointment with you at your convenience. Your recording stated that you would return the call within five calendar days but as of today I have not received a call.

1993 This concerns our application for water rights # 62-28893 that Pulali Point Partners filed for in 1991. While waiting for the water rights we have been working for the last four years on a platting permit that will expire shortly unless we resolve the issue of water rights. We have so far invested a great deal of time and money and it is critical that we resolve this issue within the next month.

Roger Myklebust and I, both Pulali Point Partners, would like to schedule a meeting with you or with anyone who has the authority to make a decision for a week of July 21st or 28th. We have been waiting too long for a decision and must act now in order not to endanger the whole project. I would certainly appreciate your personal help in this matter. I shall be gone on a business trip during the next two weeks, but you can write to me to the above address, or you can contact Roger Myklebust directly and set a date for our meeting. His phone is (206) 464-4224 and his address is: Ryan Swanson & Cleveland, Attorneys, 1201 Third Avenue, suite 3400, Seattle, WA 98101-3034.

I am looking forward to hearing from you.

Sincerely,


George A. Hartman

cc.: Roger Myklebust

GAH: vr

Appointment set for
July 24, 1997

7/13/97
SE

Mr. Hartman's
message was cut
off at the phone
no - Fee was
not under Pulali
Point - couldn't
find

CHRISTINE O. GREGOIRE
Director



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

7272 Cleanwater Lane, 1U-11 • Olympia, Washington 98504-6811 • (206) 753-2353

October 19, 1993

Otto Burden
Jay Sacks
9481 Bay Shore Drive Ste 103A
Silverdale, Washington 98383-9113

Dear Mr. Burden:

Re: Ground Water Application No. G 2-28893

We acknowledge receipt of your affidavit of publication of notice in connection with the above-numbered application.

The water codes require that no action be taken toward issuance of a permit earlier than thirty (30) days after the last date of publication. This period of time is allowed for filing any protests or objections.

Sincerely,

A handwritten signature in cursive script that reads "Sheri Fox".

Sheri Fox
Water Resources

SF:th(12A)

Affidavit of Publication

STATE OF WASHINGTON)

SS

COUNTY OF JEFFERSON)

FRANK W. GARRED, being sworn, says he is the publisher of the Port Townsend Jefferson County Leader, a weekly newspaper which has been established, published in the English language and circulated continuously as a weekly newspaper in the town of Port Townsend in said County and State, and for general circulation in said county for more than six (6) months prior to the date of the first publication of the Notice hereto attached, and that the said Port Townsend Jefferson County Leader was on the 27th day of June 1941 approved as a legal newspaper by the Superior Court of said Jefferson County and that annexed is a true copy of the

Notice of application to
appropriate public waters

Jack Sacks
Application #G2-28893

as it appeared in the regular and entire issue of said paper itself not in a supplement thereof for a period of two consecutive weeks, beginning on the 15th day of September, 19 93, and ending on the 22nd day of September, 19 93, and that said newspaper was regularly distributed to its subscribers during all of this period. That the full amount of \$ 62.05 has been paid in full, at the rate of \$7.30 (\$6.70 for legal notices received electronically, modem or disk) per column inch for each insertion.

Frank W. Garred
Publisher

Subscribed and sworn to before me this 22nd day of
September, 19 93.

Elizabeth R. Drewell
Notary Public in and for the State of Washington,
residing at Port Hadlock.

STATE OF WASHINGTON DEPARTMENT OF ECOLOGY NOTICE OF APPLICATION TO APPROPRIATE PUBLIC WATERS TAKE NOTICE:

That Jay Sacks of Woodway, Washington on July 7, 1993 under Application No. G2-28893 filed for permit to appropriate public waters, subject to existing rights, from a well in the amount of 34.7 gallons per minute as needed year round each year, for multiple domestic supply. The source of the proposed appropriation is located within SE 1/4 SW 1/4 of Section 18, Township 26 N., Range 1 W., W.M., in Jefferson County.

Protests or objections to approval of this application must include a detailed statement of the basis for objections: protests must be accompanied by a two dollar (\$2.00) recording fee (check or money order only, cash will not be accepted) and filed with the Department of Ecology, at the address shown below, within thirty (30) days from: September 22, 1993.

DEPARTMENT OF ECOLOGY
WATER RESOURCES
P.O. BOX 47775
OLYMPIA, WA 98504-7775

743 9-22

affidavit OK
10/18/93
SF

CHRISTINE O. GREGOIRE
Director



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

7272 Cleanwater Lane, LU-11 • Olympia, Washington 98504-6811 • (206) 753-2353

September 3, 1993

Otto Burden
9481 Bay Shore Drive Ste 103A
Silverdale, Washington 98383-9113

Dear Mr. Burden:

Re: Ground Water Application No. G 2-28893 for Jay Sacks

Your application for the appropriation of water has been assigned the above referenced number. Please refer to this number in future correspondence.

Enclosed is a notice of your application which must be published once a week for two consecutive weeks in a qualified legal newspaper of general circulation in the County or Counties in which the storage, diversion, and use is to be made and in other newspapers as directed. A list of these newspapers in your county is enclosed. The applicant is responsible for the payment of the publication. Please read the notice carefully to make sure it is correct. Should you find an error, please return the notice to our office for correction.

You should mail or deliver the enclosed notice to a newspaper regarding publication as soon as possible. When you receive the affidavit of publication with the news clipping from the newspaper, please forward the original to this office promptly. Further processing of the application will not be made until the affidavit is returned.

Since your application is for service of more than one residence, it is considered a public water supply. Public water supply systems are required to be approved by either the Local Health Department or the State Department of Health, depending upon system size. If you have not already done so, I suggest that you contact your Local Health Department or DOH, Drinking Water Section, Olympia, Washington, for further information.

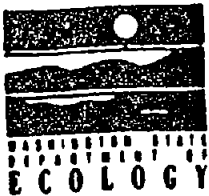
A site investigation will be made by this office before we issue a permit decision. In light of our water right backlog, we estimate it will be about 18 months after receipt of your application before we are able to conduct the site investigation.

Sincerely,

A handwritten signature in cursive script that reads "Sheri Fox".

Sheri Fox

Water Resources
SF:th Enclosures



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

NOTICE OF APPLICATION TO APPROPRIATE PUBLIC WATERS

TAKE NOTICE:

That Jay Sacks
of Woodway, Washington on July 7, 1993 under
Application No. G 2-28893 filed for permit to appropriate public waters, subject to existing rights,
from a well
in the amount of 34.7 gallons per minute as needed year round
each year, for multiple domestic supply

The source of the proposed appropriation is located within SE 1/4 SW 1/4
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Protests or objections to approval of this application must include a detailed statement of the basis for objections: protests must be accompanied by a two dollar (\$2.00) recording fee (check of money order only, cash will not be excepted) and filed with the Department of Ecology, at the address shown below, within thirty (30) days from:

(Last date of publication to be entered above by publisher)

DEPT OF ECOLOGY
WATER RESOURCES
PO BOX 47775
OLYMPIA WASHINGTON 98504-7775

NOTICE

Boston
PENINSULA

QUILCENE

BAY

BAY

Dabob

Whitney Point
State Shellfish Lab.
Lake

Pulali Point
(Rocky Pt.)

Zelatched Point

Coyle

Tskutsko

Jan Cunningham
R-32775
PARKER ESTATE/TO COME

Page 3

Legal Description continued
Parcel B continued

Beginning at the Southeast corner of said Government Lot 3 in Section 18, of said Township and Range which is also a point on the North line of said Section 19;
thence South 54 degrees 30' West, 258 feet;
thence South 5 degrees 30' East, to the Southeasterly boundary of said Lot 1;
thence Northeasterly, along the boundary of said Lot 1, to the North line of said Section 19;
thence West, along said North line, to the Point of Beginning.

All situate in the County of Jefferson, State of Washington.

Parcel C:

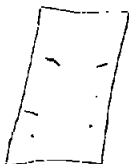
All tidelands of the second class situate in front of, adjacent to, or abutting upon that part of Lot 1, Section 19, Township 26 North, Range 1 West, W.M., lying West of a line running South, across said Lot 1, from a point on the North line thereof which is 896 feet West of the Southeast corner of Lot 3 of adjoining Section 18;

AND;

All tidelands of the second class situate in front of, adjacent to or abutting upon that part of Lot 1, Section 19, Township 26 North, Range 1 West, W.M., lying East of a line running South, across said Lot 1, from a point of the North line thereof which is 896 feet West of the Southeast corner of Lot 3 of adjoining Section 18, said Township and Range.

All situate in the County of Jefferson, State of Washington.

End of legal description



Perkins Coie
R-32775
PARKER ESTATE/TO COME

Page 2

LEGAL DESCRIPTION:

Parcel A:

Government Lot 3, Section 18, Township 26 North, Range 1 West, W.M., in Jefferson County, Washington;

EXCEPT the Right of way for Pulali Point Road;

ALSO EXCEPTING THEREFROM those portions described as follows:

Five acres in the Northwest corner of said Government Lot 3, with a water frontage of two acres and described in Jefferson County Assessor's Plat and Description Book as Tax No. 1, in said Section 18;

ALSO EXCEPT;

That portion of said Government Lot 3, described as follows:

Beginning at the Southwest corner of the above described Tax 1 in said Section 18, and running thence East along the South line of said Tax 1 and its extension 550 feet;
thence Southerly parallel to the West line of said Lot 3, 235 feet;
thence West, parallel to the South line of said Tax 1, 550 feet;
thence Northerly, along the West line of said Lot 3, 235 feet to the point of beginning.

All situate in the County of Jefferson, State of Washington.

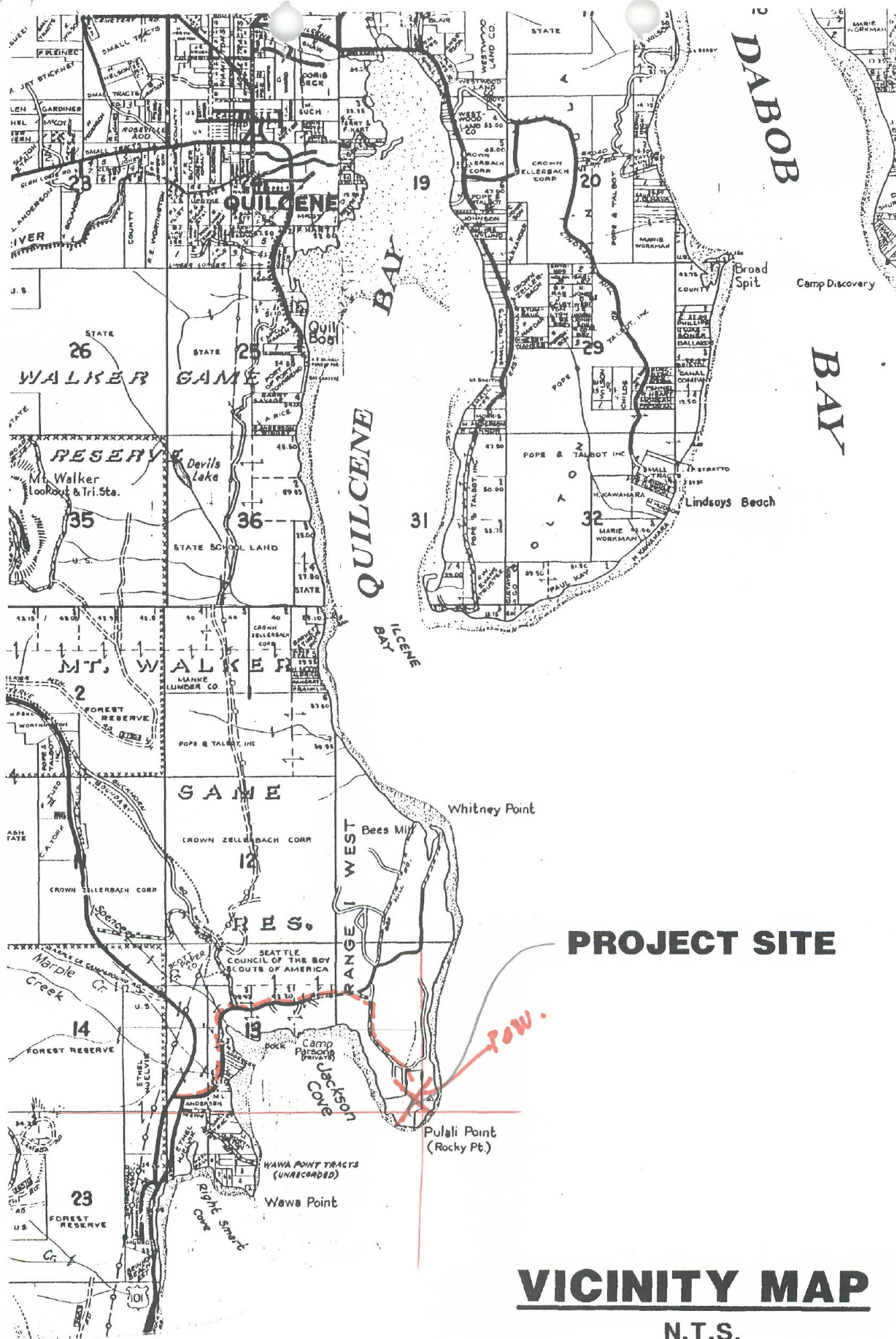
Parcel B:

Government Lot 1, in Section 19, Township 26 North, Range 1 West, W.M., in Jefferson County, Washington;

EXCEPTING THEREFROM that portion described as follows:

That portion of Government Lot 1 in Section 19, Township 26 North, Range 1 West, W.M., described as follows:

Parcel B continued



Olympic Engineering

13700 Rocky Ridge Rd NW
Silverdale, WA. 98383 (206) 779-8080
(253)

To: Department of Ecology

Letter of Transmittal

DATE	7/6/93	JOB NO.	92-303
ATTENTION			
RE:			
Putali Point			
RECEIVED			
JUL 07 1993			
DEPT. OF ECOLOGY			

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

- ☐ Original Drawings ☐ Copy of Letter ☐ Specifications ☐ Shop Drawings ☐ Change Order
☐ Prints ☐ Plans ☐ Calculations ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1			Water Right Application

THESE ARE TRANSMITTED as checked below:

- ☒ For Approval ☐ Approved as submitted ☐ Resubmit ____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit ____ copies for distribution
☐ As Requested ☐ Returned for corrections ☐ Return ____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19__ PRINTS RETURNED AFTER LOAN TO US

COMMENTS _____

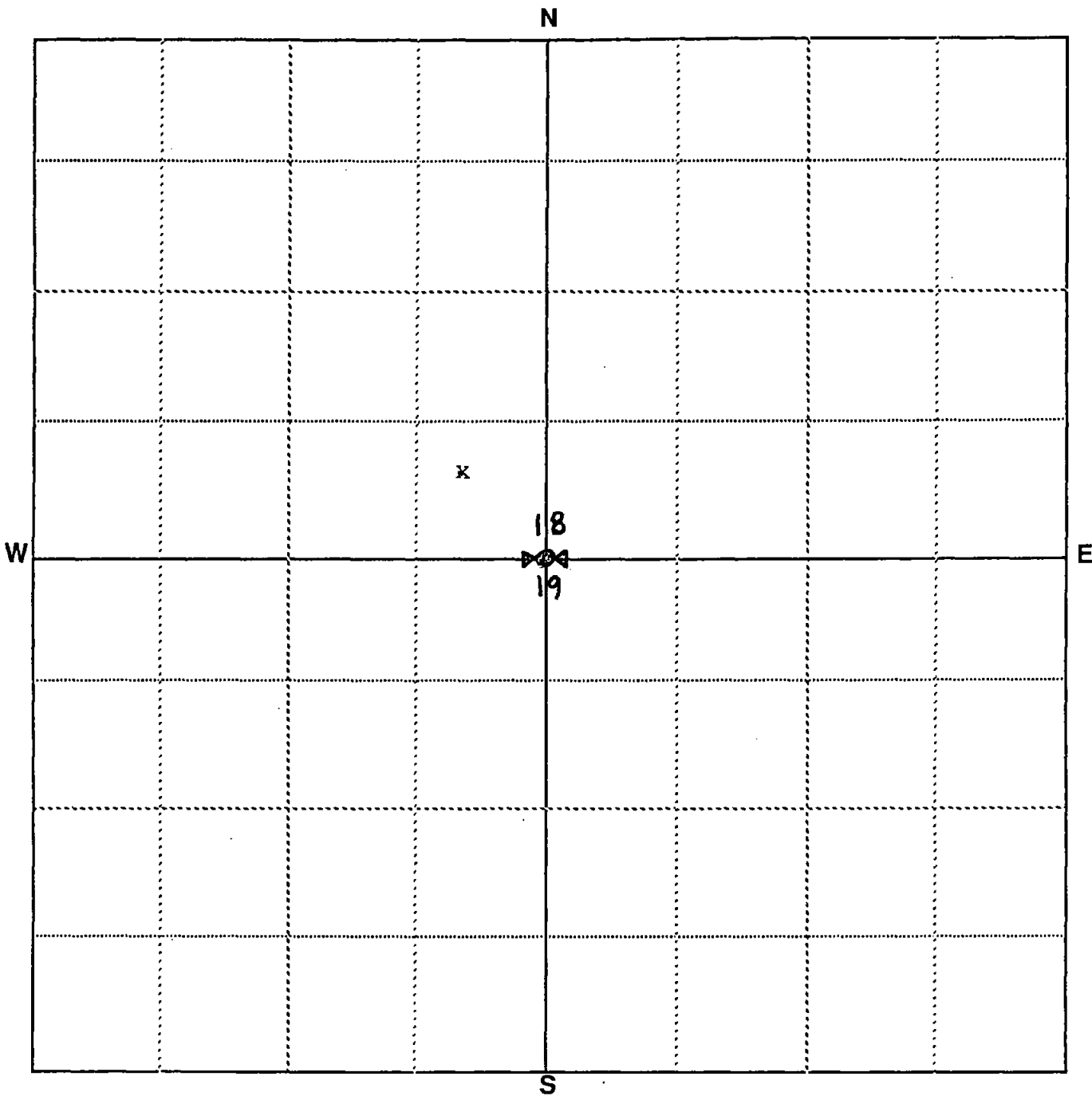
Please direct all inquiries &
correspondance to above address.

COPY TO: _____

SIGNED: Thanks,
Otto L Borden

SECTION MAP

Sec. 18/19 Twp. 26 N. R. 1 west



Scale: 1 inch = 800 feet (each small square = 10 acres)

Show by a cross (X) the location of point of diversion (surface water source) or point of withdrawal (ground water source). For ground water applications, show by a circle (O) the locations of other wells or works within a quarter of a mile. Indicate traveling directions from nearest town in space below.

See attached vicinity map. Call (206) 779-8080 for further directions if necessary.

Detach here

Fold along sc